
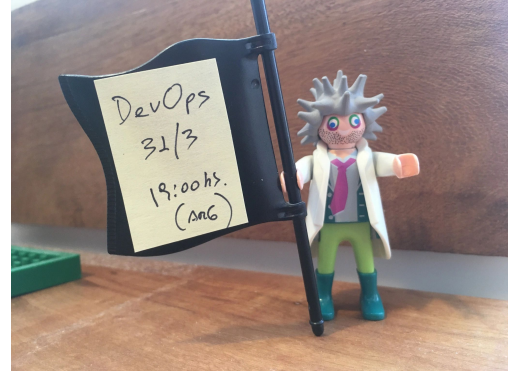


Consultorio

D e v  p s
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UNTREF UNIVERSIDAD NACIONAL
DE TRES DE FEBRERO



Versioning Strategy for DevOps Implementations

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Flipped Classroom Experience Teaching Software Engineering

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Technical and Organizational Agile Practices: A Latin-American Survey

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and Alejandro Oliveros

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Characterizing Technical and Organizational Practices in the Agile Community

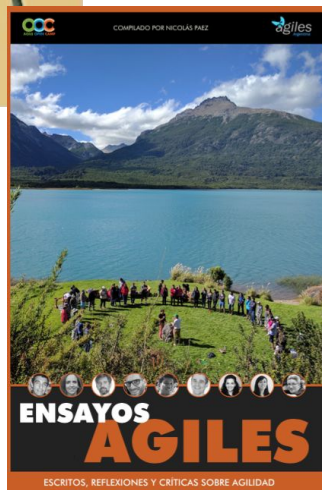
Nicolás Paez, Diego Fontdevila, Alejandro Oliveros
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HELENA Study: Initial Observations of Software

Development Practices in Argentina

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Situaciones / Tópicos / Inquietudes

“En mi empresa hay “DevOps” pero seguimos con las mismas fricciones del día a día”

Por qué DevOps no debería ser un área

Cuándo DevOps podría ser un área

¿Qué es un Ingeniero DevOps?

¿Existen los Ingenieros DevOps?

Cuándo no (y cuándo sí) contratar Ingenieros DevOps

DevOps, Lean y Agile

La relación entre DevOps y SRE

Business as usual



Business as usual



Traditional Software Engineering

Last Mile

Business as usual

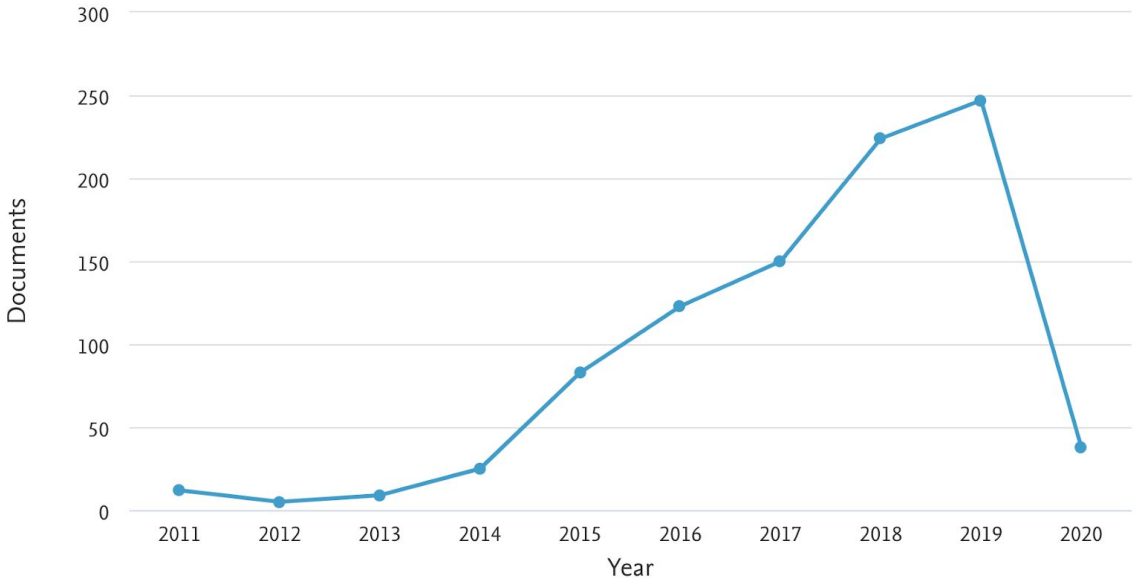


916 document results

Select year range to analyze: 2011 to 2020 Analyze

Year ↓	Documents ↑
2020	38
2019	247
2018	224
2017	150
2016	123
2015	83
2014	25
2013	9
2012	5
2011	12

Documents by year



DevOps is a cultural movement that aims the collaboration of all the stakeholders involved in the development, deployment and operation of software to deliver a quality product or service in the shortest possible time. DevOps is relatively recent, and companies have developed their DevOps practices largely from scratch. Our research aims to conduct an analysis on practicing

Diaz, Jessica & Pérez-Martínez, Jorge & Yague, Agustin & Villegas, Andrea & Antona, Antonio. (2019). DevOps in Practice – ***A Preliminary Analysis of Two Multinational Companies***. 10.1007/978-3-030-35333-9_23.

Dimensions of DevOps

Authors

Authors and affiliations

Lucy Ellen Lwakatare , Pasi Kuvaja, Markku Oivo

Conference paper

First Online: 16 May 2015

27

Citations

1

Mentions

4k

Downloads

Part of the [Lecture Notes in Business Information Processing](#) book series (LNBIP, volume 212)

Abstract

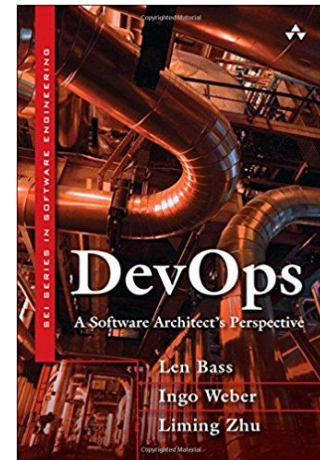
DevOps has been identified as an important aspect in the continuous deployment paradigm in practitioner communities and academic research circles. However, little has been presented to describe and formalize what it constitutes. The absence of such understanding means that the phenomenon will not be effectively communicated and its impact not understood in those two communities. This study investigates the elements that characterize the DevOps phenomenon using a literature survey and interviews with practitioners actively involved in the DevOps movement. Four main dimensions of DevOps are identified: collaboration, automation, measurement and monitoring. An initial conceptual framework is developed to communicate the phenomenon to practitioners and the scientific community as well as to facilitate input for future research.

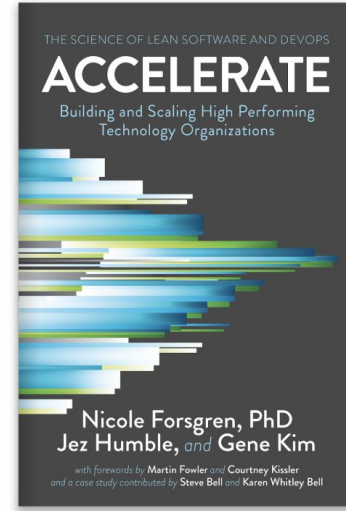
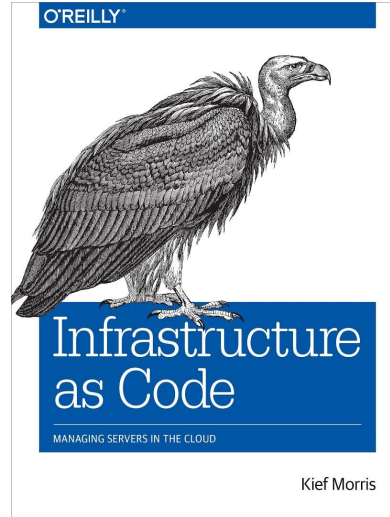
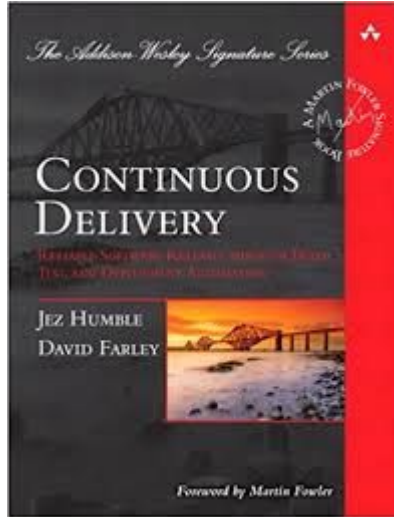
*DevOps is a **set of practices** intended to **reduce the time** between committing a change to a system and the change being placed into normal production while ensuring high quality.*

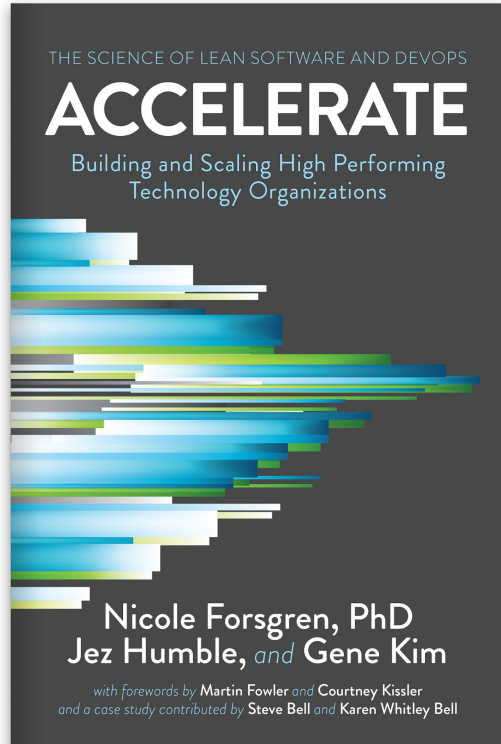
Len Bass, SEI-CMU

DevOps by SEI-CMU

- > Operations as first-class citizen
- > Make dev responsible for prod incidents
- > Formal deployment process
- > Continuous Delivery
- > Infrastructure as code



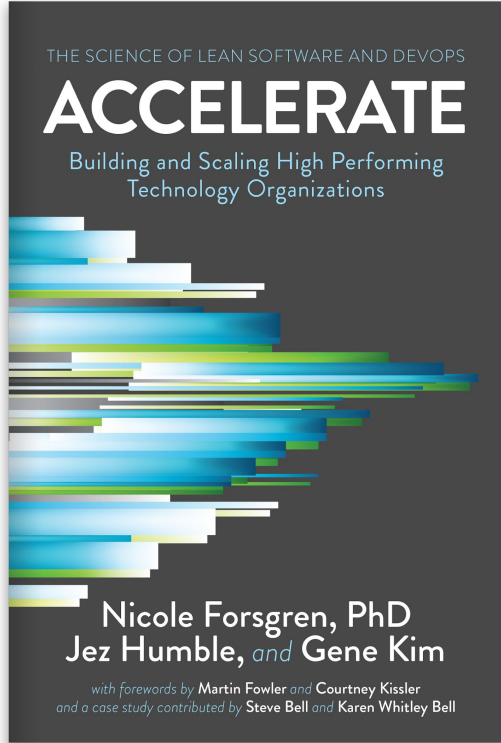




Software Delivery Performance

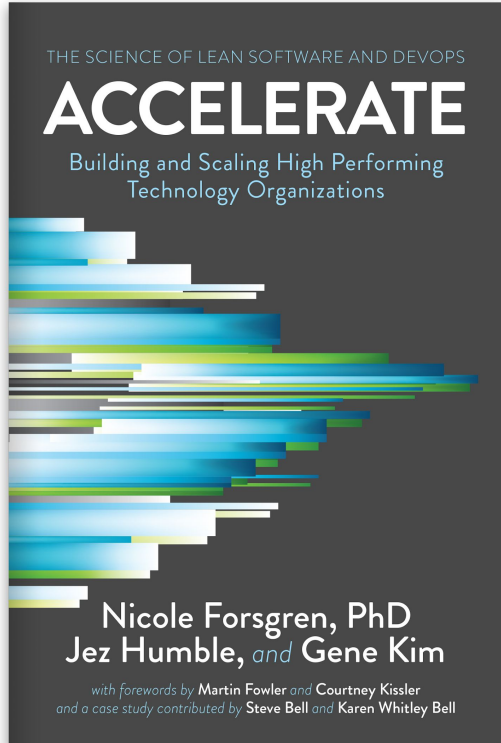
Impacts on

Organizational
Performance



Software Delivery Performance

- > Lead Time
- > Deployment Frequency
- > Mean Time to Restore
- > Change Fail Percentage



Version control for all production artifacts

Automated deployment process

Continuous integration & Delivery (CI/CD)

Trunk-based development

Test-automation

Test data management

Shift left on security

DevOps Job Offer

Búsqueda DevOps publicada en una lista de informáticos

Buscamos profesionales recibidos o estudiantes avanzados de carreras informáticas o afines, que estén interesados tanto en programación como en aspectos de infraestructura y administración: **SaaS, Elasticsearch, Cassandra, Nginx, HaProxy, Apache Storm, Redis, Tomcat, Passenger, etc.**

Comprender con profundidad la configuración de productos Open Source y velar por el correcto uso de estos productos por parte de los desarrolladores.

Tener conocimientos de Sistemas Operativos y Redes, se valorará tener aprobadas ambas materias si es estudiante avanzado.

Capacidad para analizar con rigurosidad la utilización de recursos de un programa / proceso java o ruby , identificando causa raíz y oportunidades de mejoras, tanto a nivel de dimensionamiento de recursos como así también a nivel del código.

Experiencia en el uso y configuración de herramientas de monitoreo: **newrelic, nagios, opsview.**

Configurar aplicaciones de backend / backoffice según requerimientos de clientes.

Desarrollar herramientas, en **Ruby y Java**, que automaticen procesos de backend / backoffice.

Desarrollar **scripts de deployment para ejecutar desde Jenkins.**

Capacidad para poder llevar adelante múltiples tareas de forma simultánea.

Tener excelente predisposición para solucionar problemas en el día a día.

REQUISITOS

- Tenés que ser estudiante avanzado o graduado de carreras de sistemas o afines.
- Experiencia con Java, Ruby o Python.
- Experiencia en Linux.
- Tener **pensamiento analítico y capacidad aprendizaje.**
- **Ser proactivo y tener actitud para solucionar problemas de distinta índole.**

Who needs release and devops engineers, and why?



Authors:  [Nouredine Kerzazi](#),  [Bram Adams](#) [Authors Info & Affiliations](#)

Publication: CSED '16: Proceedings of the International Workshop on Continuous Software Evolution and Delivery • May 2016 • Pages 77–83 • <https://doi.org/10.1145/2896941.2896957>

ABSTRACT

The recent surge in interest in continuous delivery has opened up the job market for release and DevOps engineers. However, despite an increasing number of conferences and publications on continuous delivery, smaller companies and start-ups still have a hard time **determining the core tasks** their future release and DevOps engineers should be responsible for (and what the differences between those two roles are), while universities are not sure what essential techniques and skills they should teach to their students. This paper performs an **empirical analysis of online job postings** to determine and compare the main tasks of release and DevOps engineers, globally and across countries. Our qualitative analysis shows that **automation is the most important activity** across the three roles, as articulated in job posting description data, and that the release engineer role combines the top activities of the DevOps and more traditional build engineer roles. Finally, different countries have a moderate degree of similarity between their ads, although each country has its specific focus.



TEAM

TOPOLOGIES

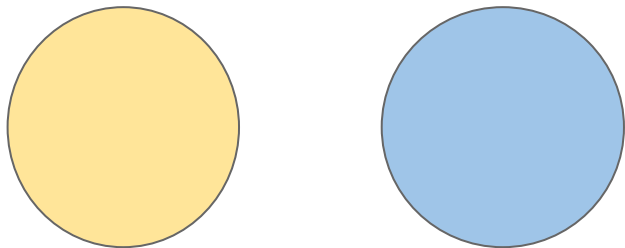
ORGANIZING
BUSINESS AND
TECHNOLOGY
TEAMS FOR FAST
FLOW

Foreword by
RUTH
MALAN

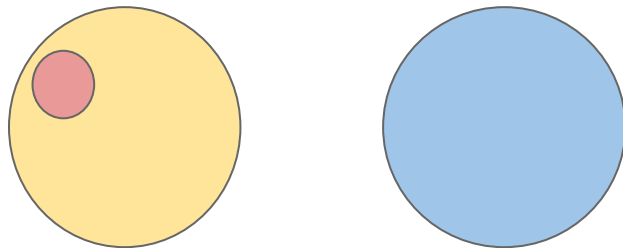
MATTHEW SKELTON
and MANUEL PAIS

Topologies Anti-patterns

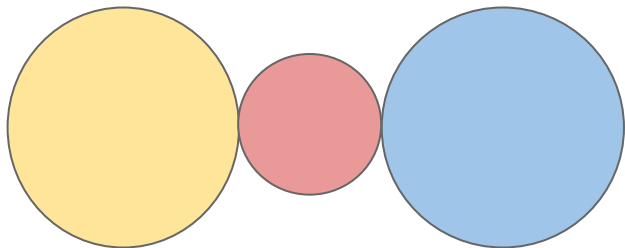
Dev and Ops Silos



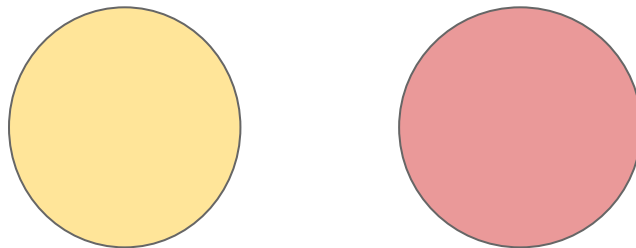
DevOps as Tools team



DevOps Silo



Rebranded Ops



Dev



DevOps



Ops

There's No Such Thing as a "Devops Team"

Published 19 October 2012

Humble, Jez - ***There is no such thing as a "devops team"***

Online at :<https://continuousdelivery.com/2012/10/theres-no-such-thing-as-a-devops-team>

Industrial Case studies

Elberzhager, Frank & Arif, Taslim & Naab, Matthias & Süß, Inge & Koban, Sener. (2017). ***From Agile Development to DevOps: Going Towards Faster Releases at High Quality – Experiences from an Industrial Context***. 33-44.

10.1007/978-3-319-49421-0_3.

(Fujitsu)

Senapathi, Mali & Buchan, Jim and Osman, Hady. (2018). ***DevOps Capabilities, Practices, and Challenges: Insights from a Case Study***. In Proceedings of the 22nd International Conference on Evaluation and Assessment in Software Engineering 2018 (EASE'18). Association for Computing Machinery, New York, NY, USA, 57–67.

DOI:<https://doi.org/10.1145/3210459.3210465>

Riungu-Kalliosaari, Leah & Mäkinen, Simo & Ellen (2016). ***DevOps Adoption Benefits and Challenges in Practice: A Case Study***. International Conference on Product-Focused Software Process Improvement, PROFES 2016

Erich, Floris & Amrit, C & Daneva, M. ***A qualitative study of DevOps usage in practice***. J Softw Evol Proc. 2017; 29: e1885. <https://doi.org/10.1002/smr.1885>

Capacitaciones

- Seminario de Posgrado en Software Delivery - Universidad de Tres de Febrero: <http://www.untref.edu.ar/events/software-delivery>
- Taller Online de Prácticas DevOps:
<https://blog.nicopaez.com/talleres/#devops>
- Taller Online de Continuous Delivery:
<https://blog.nicopaez.com/talleres/#cicd>

Fin