

***DEVOPS FOR  
DEVELOPERS...  
OR MAYBE AGAINST THEM?***







24



Posted by u/ThePoetWalsh57

## Just got my first job in devops. What exactly is devops?

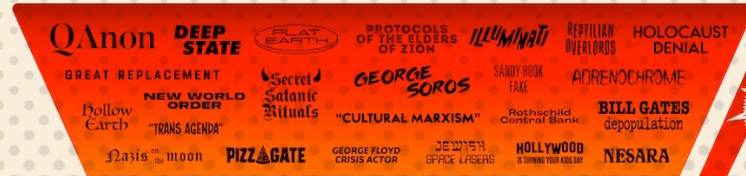
Title explains itself really. What am I in for? I used to work as a software engineer but recently got moved to a devops position.





# CONSPIRACY THEORY?!

DETACHED FROM REALITY



WORLD RULED BY SUPREME SHADOW ELITE PROMOTES HATRED AND VIOLENCE TOWARD MARGINALIZED GROUPS

THE ANTISEMITIC POINT OF NO RETURN



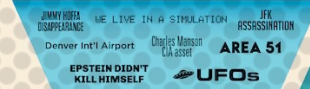
DANGEROUS TO YOURSELF AND OTHERS

REALITY DENIAL



UNEQUIVOCALLY FALSE BUT MOSTLY HARMLESS

LEAVING REALITY



WE HAVE QUESTIONS

SPECULATION LINE



THINGS THAT ACTUALLY HAPPENED

GROUNDED IN REALITY

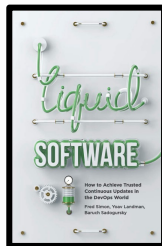
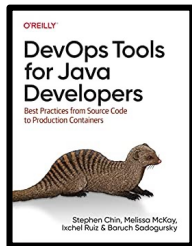
CHART BY ABBIE RICHARDS



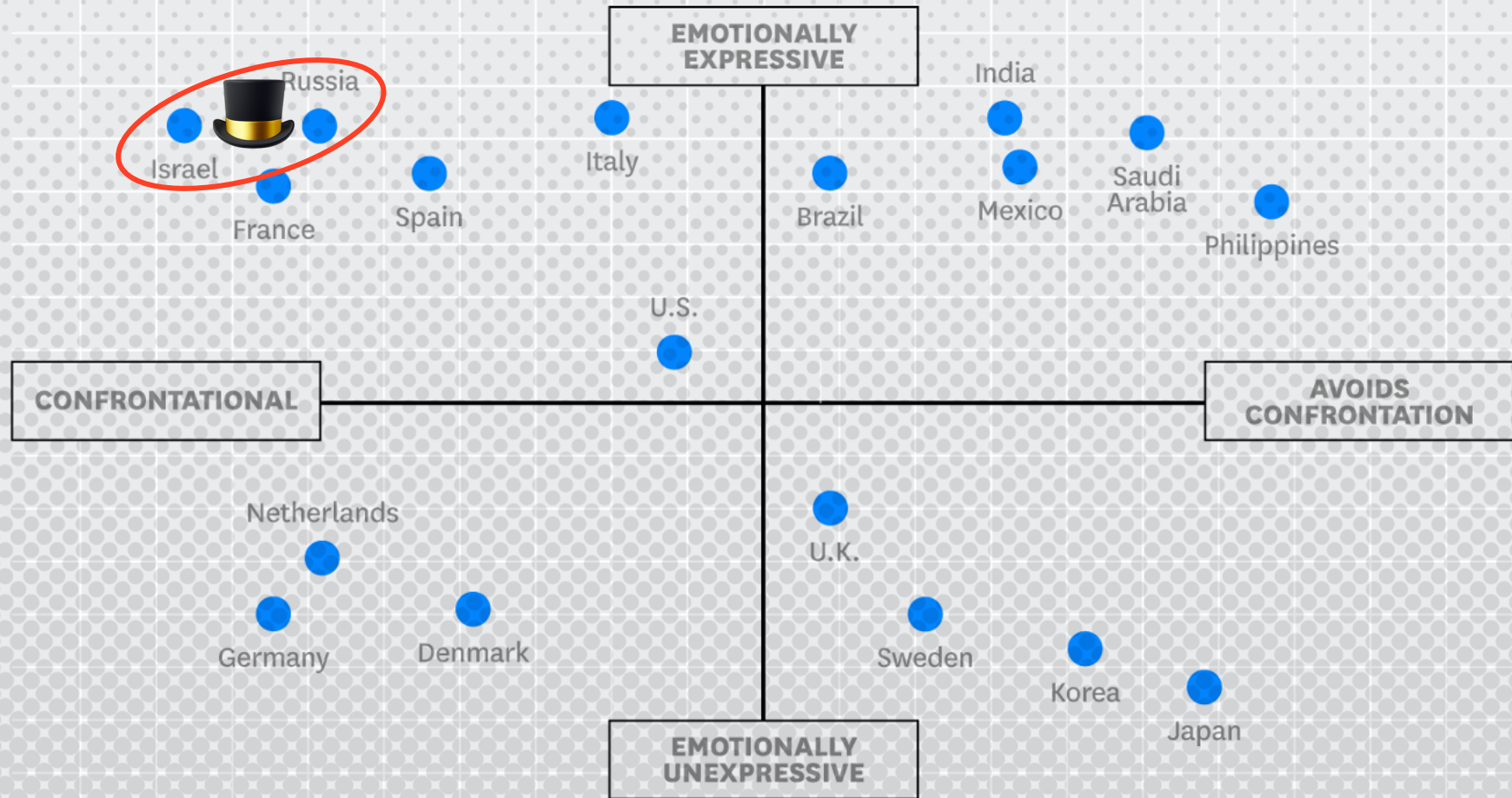


# ***BARUCH SADOGURSKY - @JBARUCH***

- × Developer Productivity Advocate
- × Gradle Inc
- × Development → DevOps → #DPE









## ***SHOWNOTES***

- × [speaking.jbaru.ch](https://speaking.jbaru.ch)
- × Slides
- × Video
- × All the links!







## AlphaCSP

6 yrs 1 mo

### Training Division Manager

Jan 2007 - Oct 2010 · 3 yrs 10 mos

- Development and delivery of most of AlphaCSP courses on different Java-related topics and in different levels;  
Among the customers: IDF, Cisco, IDI direct insurance, Rafael, PayPal, Opal, BMC, Malam, Checkpoint, HP Software and others.
- Development and delivery Artifactory training for JFrog customers world-wide;  
Among the customers: Cisco, Sita, Ansys and others.
- JTeam – Extremely successful internal training program in AlphaCSP – ¼ of AlphaCSP personnel are JTeam alumni.
- Java department technical lead at MalamTeam Training Center – development and delivery of all Java courses.
- Named one of the best speakers in all AlphaCSP events through the years.

### Consultant & Architect

Jan 2007 - Oct 2010 · 3 yrs 10 mos

Consulting, building architectures and design, mentoring, and developing in various Java-related projects on the topics, described in Specialties section above;  
Among the customers: BMC, Logia, IDF, Starhome (Comverse), Malam, Cisco, IDI, IDIT, Isracard, Virtual Tweens, Amobee, SolarEdge, Checkpoint, Cadence, Evolgen, ExLibris, Retalix, Schema, Time To Know and others.

### Senior Developer

Oct 2004 - Jan 2007 · 2 yrs 4 mos

Working on various projects in BMC Software Israel

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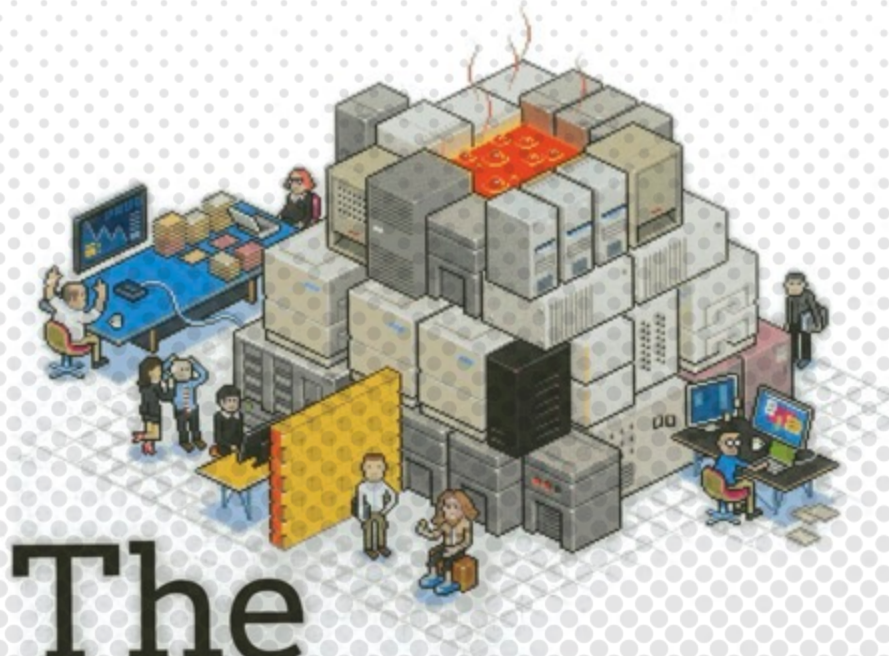
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#DPE

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# The Phoenix Project

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@INFOBIPSHIFT

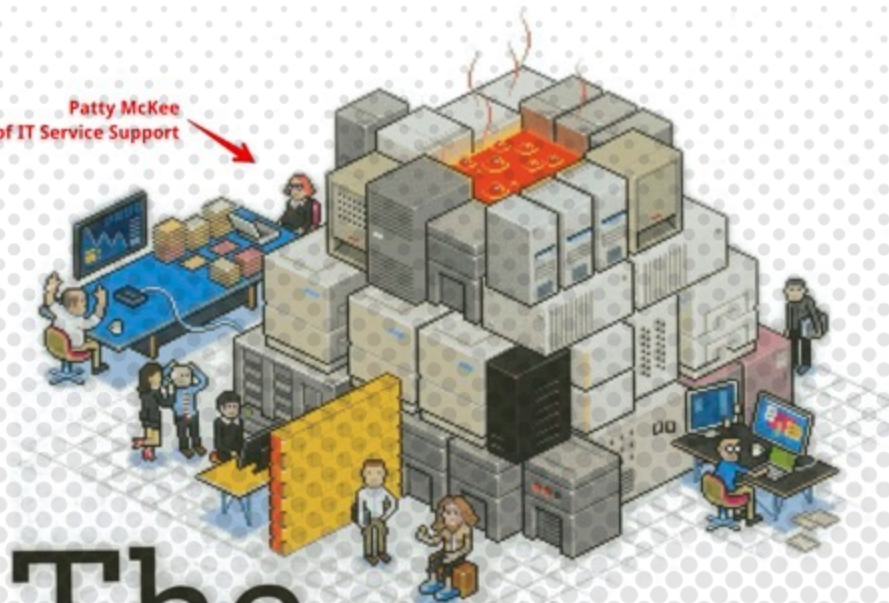
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Patty McKee  
Director of IT Service Support



# The Phoenix Project



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# The Phoenix Project

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# The Phoenix Project

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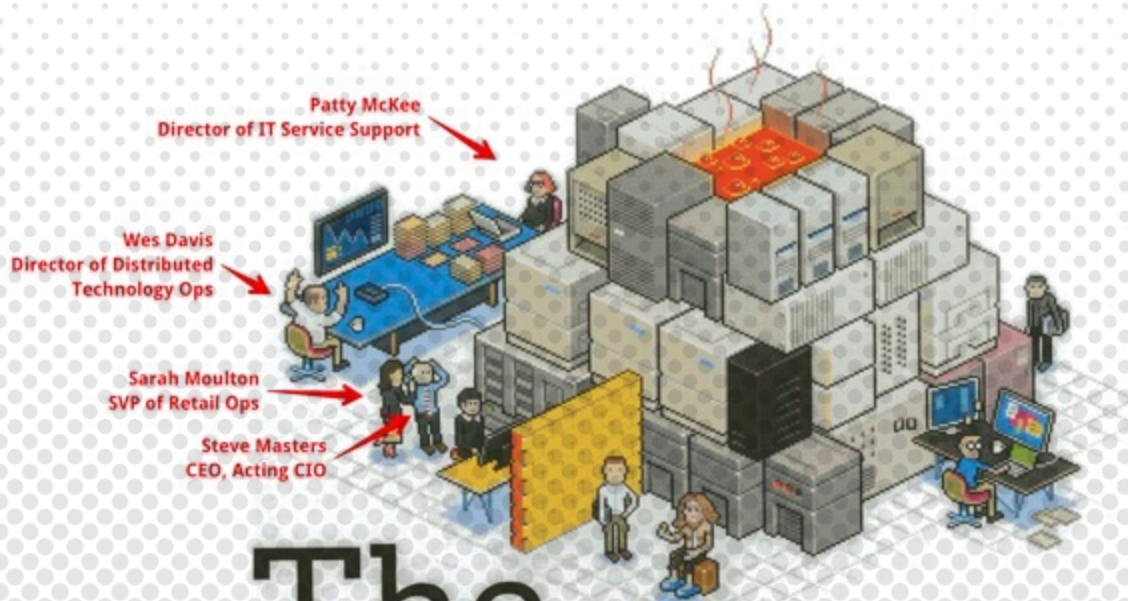
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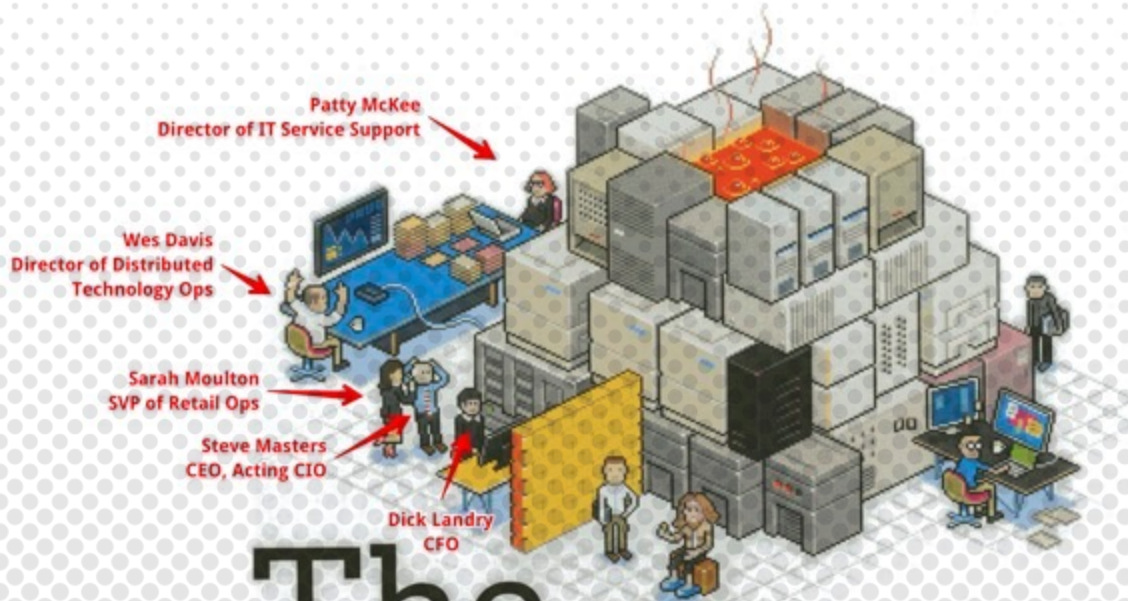




# The Phoenix Project







# The Phoenix Project

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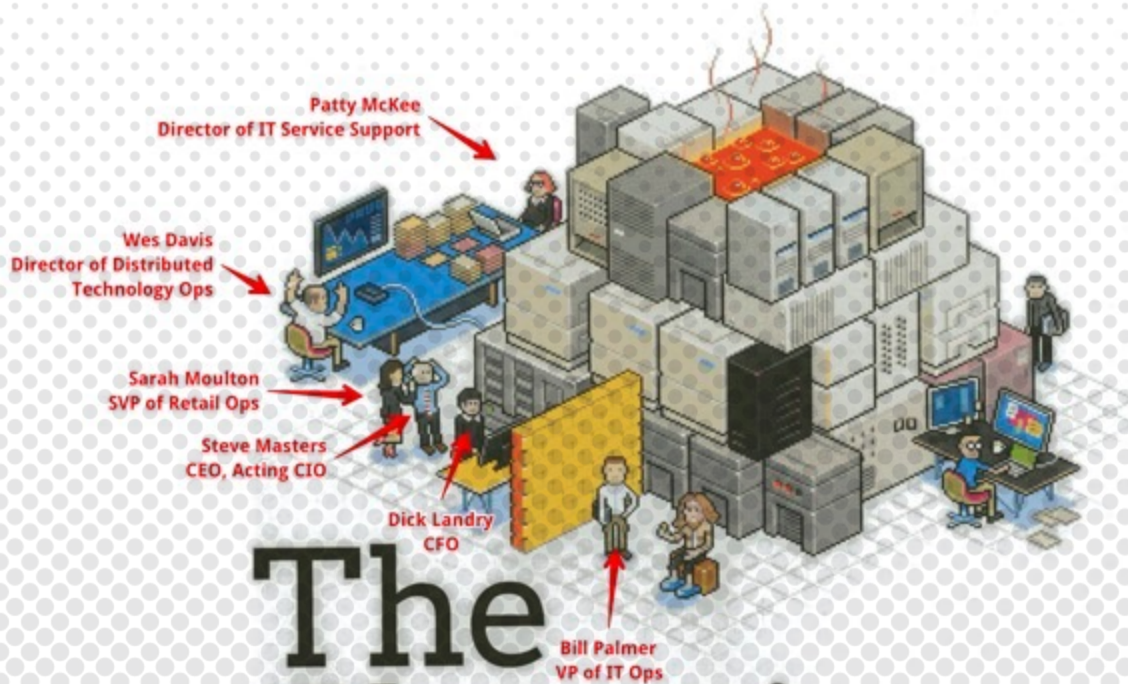
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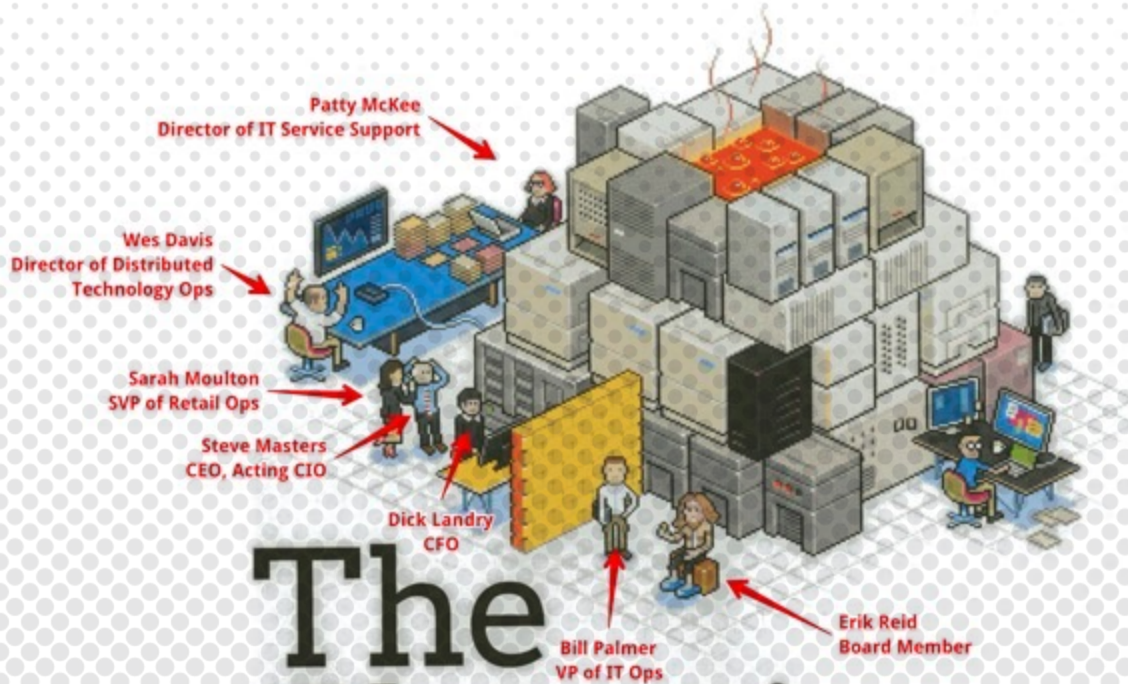




# The Phoenix Project

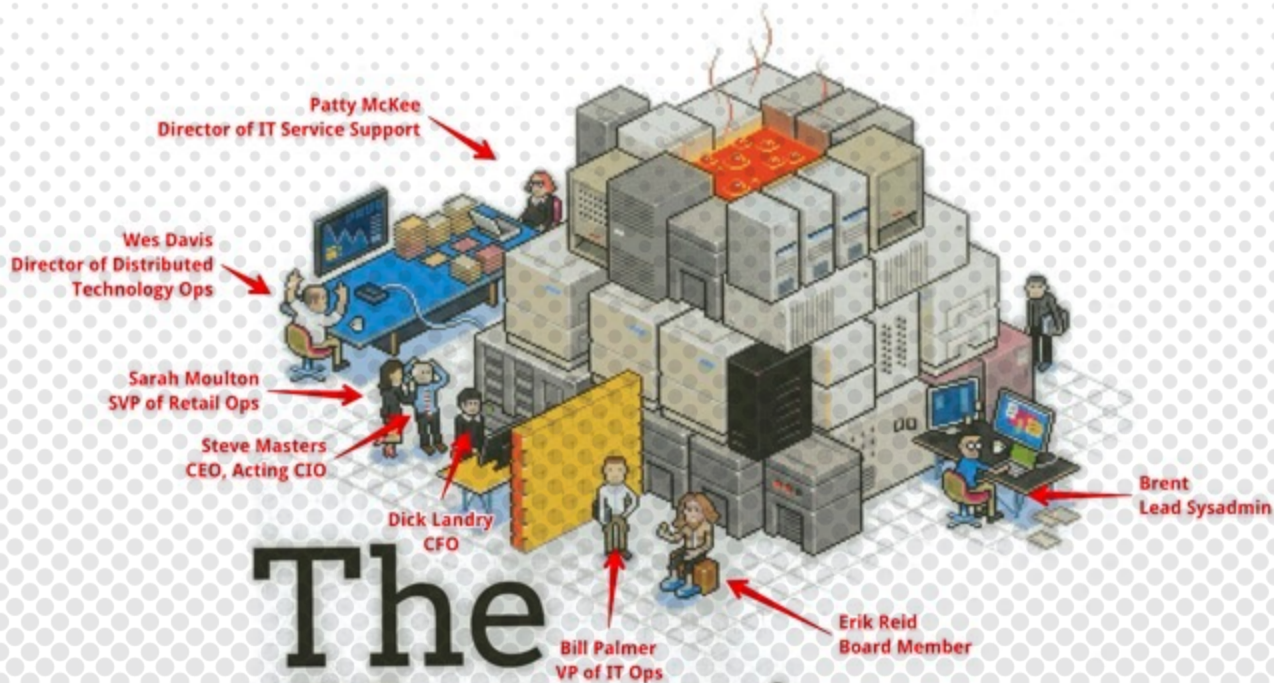






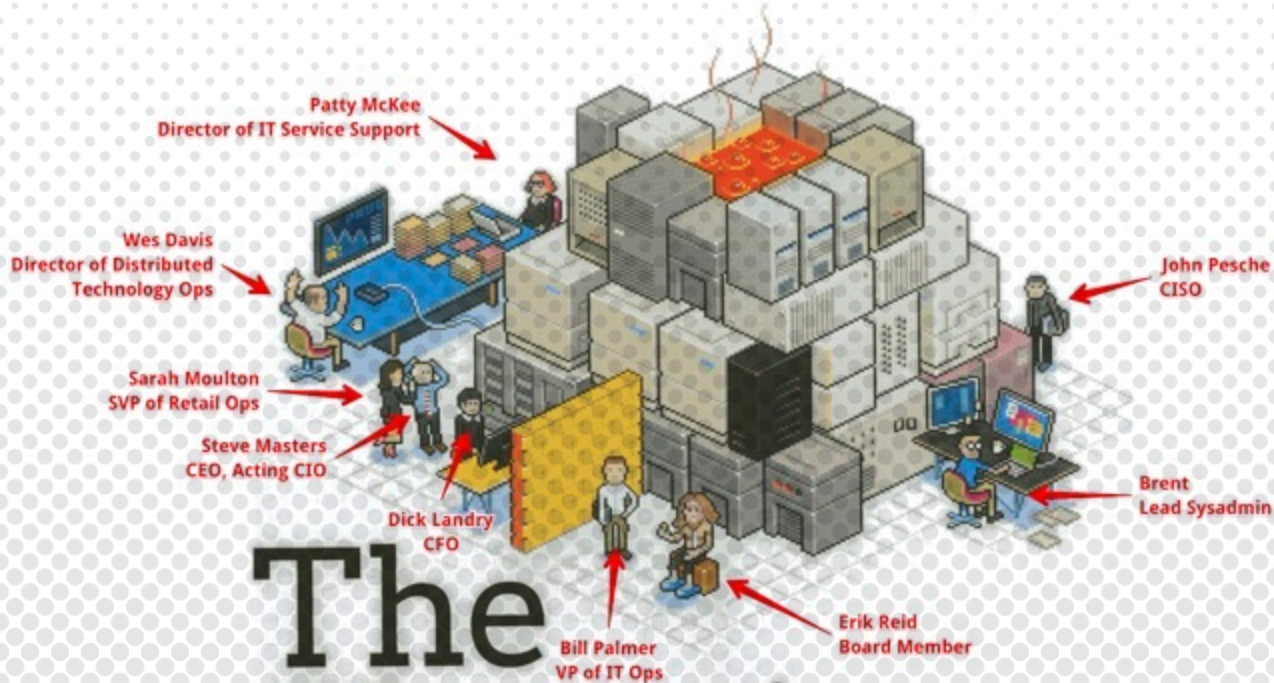
# The Phoenix Project





# The Phoenix Project





# The Phoenix Project

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***NOT A SINGLE  
DEVELOPER!***



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About 350,000,000 results (0.40 seconds)



Amazon.com

<https://aws.amazon.com/devops/what-is-devops>

## What is DevOps? - DevOps Models Explained

DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at ...

[AWS DevOps Competency](#) · [What is Continuous Integration?](#)



Atlassian

<https://www.atlassian.com/devops>

## What is DevOps?

DevOps is a set of practices, tools, and a cultural philosophy that automate and integrate the processes between software development and IT teams.



GitLab

<https://about.gitlab.com/topics/devops>

## What is DevOps?

DevOps is a combination of software development (dev) and operations (ops). It is defined as a software engineering methodology which aims to integrate the work ...

Continuous Delivery (CD): Continuous deliver... Agile: Agile development means taking iter...

Continuous Integration (CI): The practice of re... Version control: The fundamental practice o...

[DevOps explained](#) · [The four phases of DevOps](#) · [The DevOps lifecycle and how...](#)



Microsoft

<https://learn.microsoft.com/en-us/what-is-devops>

## What is DevOps?

Jan 25, 2023 — DevOps enables coordination and collaboration between formerly siloed roles like development, IT operations, quality engineering, and security.

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**DEVOPS?**



**OPS!**



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**Y THO...**



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## As a Linux system administrator, how do I shift my career to DevOps?



**Disha Rathod**

DevOps Online Trainer (2013–present) · 5y

Hi,

Being a Linux administrator will help you to easily get started with DevOps because it starts with learning Linux fundamentals, DevOps also includes cloud computing concepts like AWS. More importantly DevOps is all about tools, it comes with hundreds of tools. **Gits**, Chef, Maven, Jenkins, Puppet, Docker are modern and most popular DevOps tools.

So in order to move into DevOps industries you should have prominent knowledge following concepts

1. Linux Fundamental; Shell Scripting
2. Cloud Computing (AWS)
3. DevOps Fundamentals
4. Software Development Life Cycle
5. Continuous Integration, Deployment, and Delivery.
6. DevOps Tools: Gits, Chef, Maven, Jenkins, Puppet, Docker etc.





# System Administrator Salary

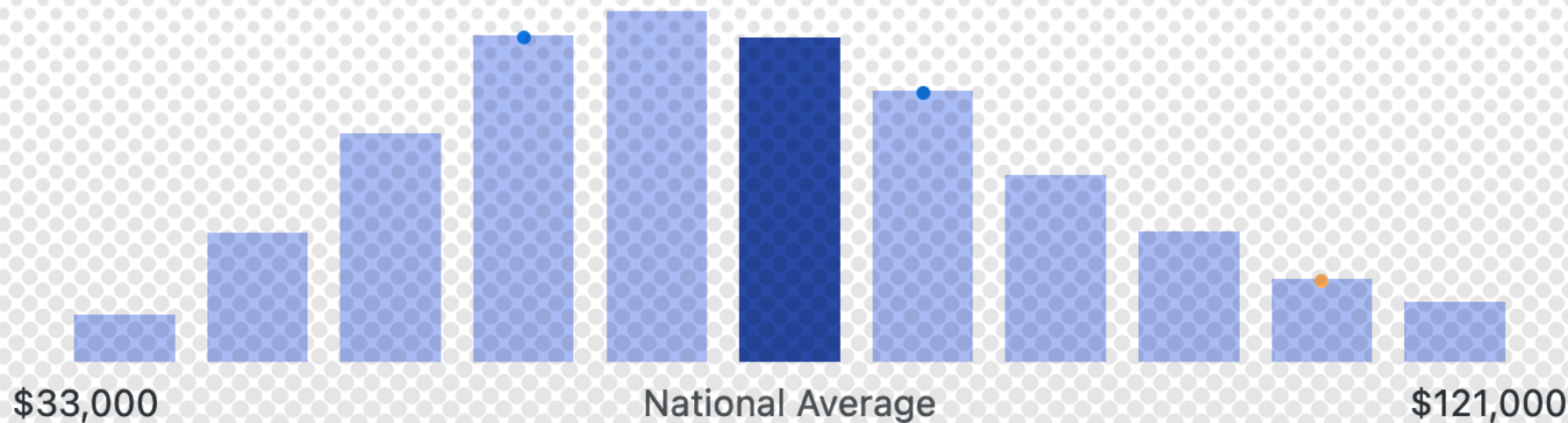
Yearly

Monthly

Weekly

Hourly

Table View



**\$76,644** /year



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**\$37** /hour #DPE

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# Devops Engineer Salary

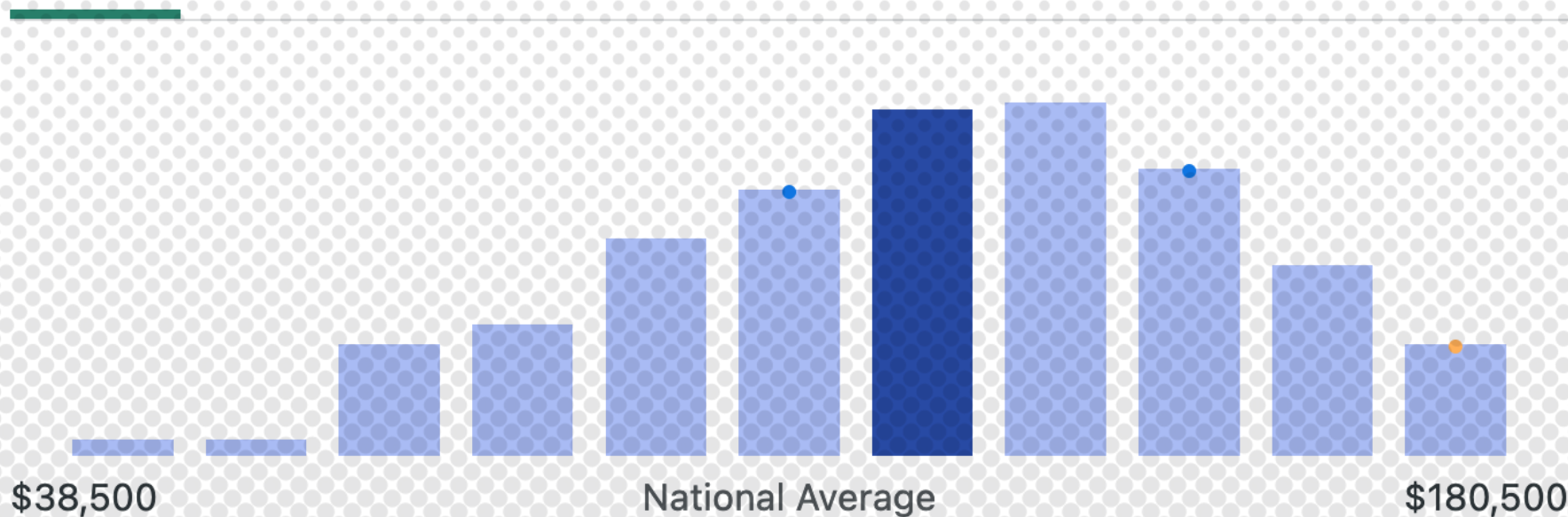
Yearly

Monthly

Weekly

Hourly

Table View



**\$127,036** /year



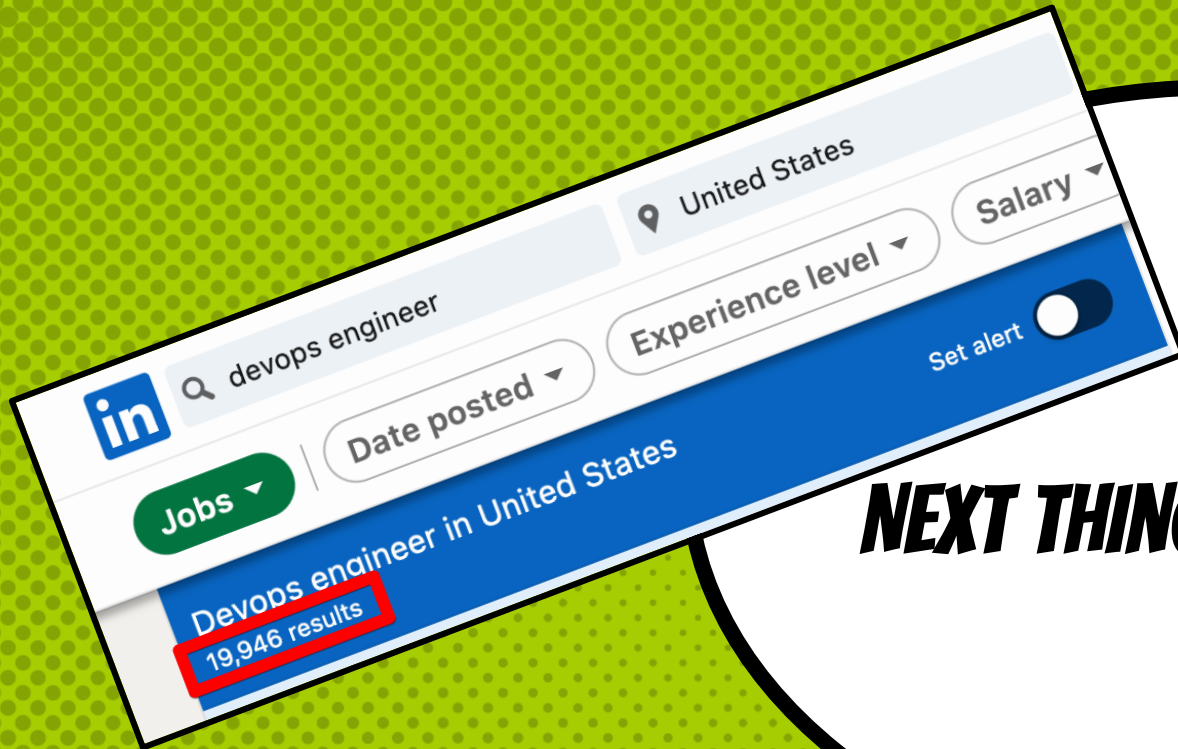
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\$61 /hour #DPE

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***NEXT THING YOU KNOW...***



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**#DPE**

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**AND THIS:**



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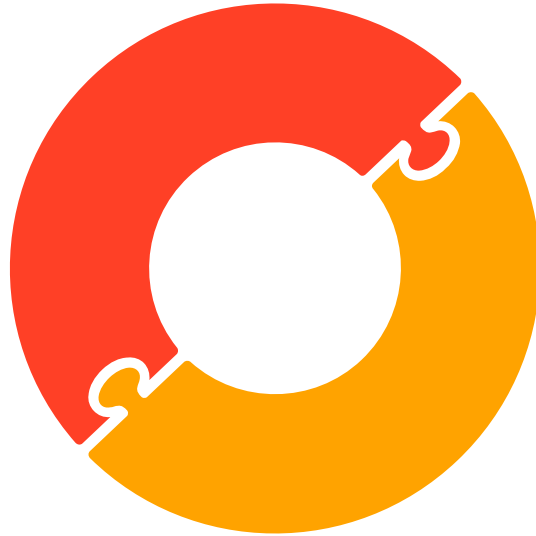
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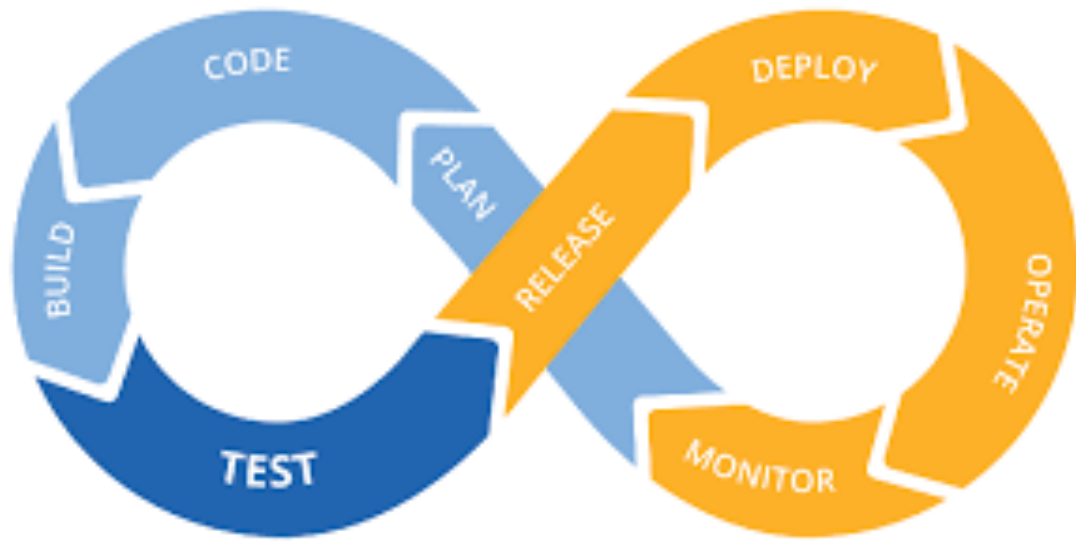
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# ***CAUSE AND EFFECT?***











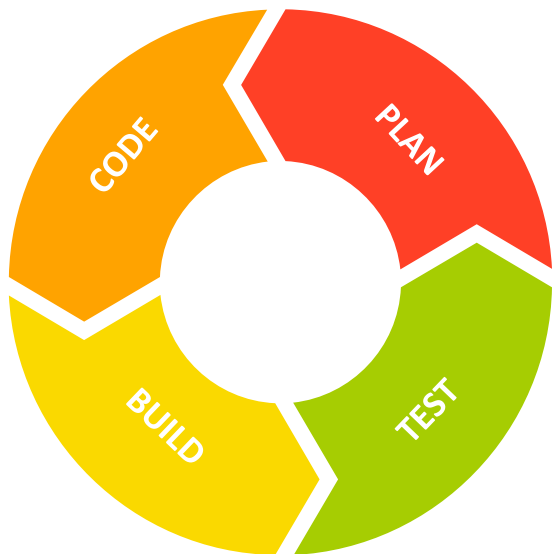
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# AGILE!



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*@INFOBIPSHIFT*

*#DPE*

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# Accelerate State of DevOps Report 2023



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Time Spent	Elite	High
NEW WORK	50%	50%
Unplanned work and rework	19.5%	20% <sup>a</sup>
Remediating security issues	5%	5% <sup>b</sup>
Working on defects identified by end users	10%	10% <sup>c</sup>
Customer support work	5%	10%





## ***TYPES OF WORK ACCORDING TO DEVOPS***

Planned Work	Business projects or new features
Internal Projects	Server migrations, software updates and so on
Changes	Driven by feedback on completed work
Unplanned Work	Support escalations and emergency outages





***SO  
FASCINATING...***



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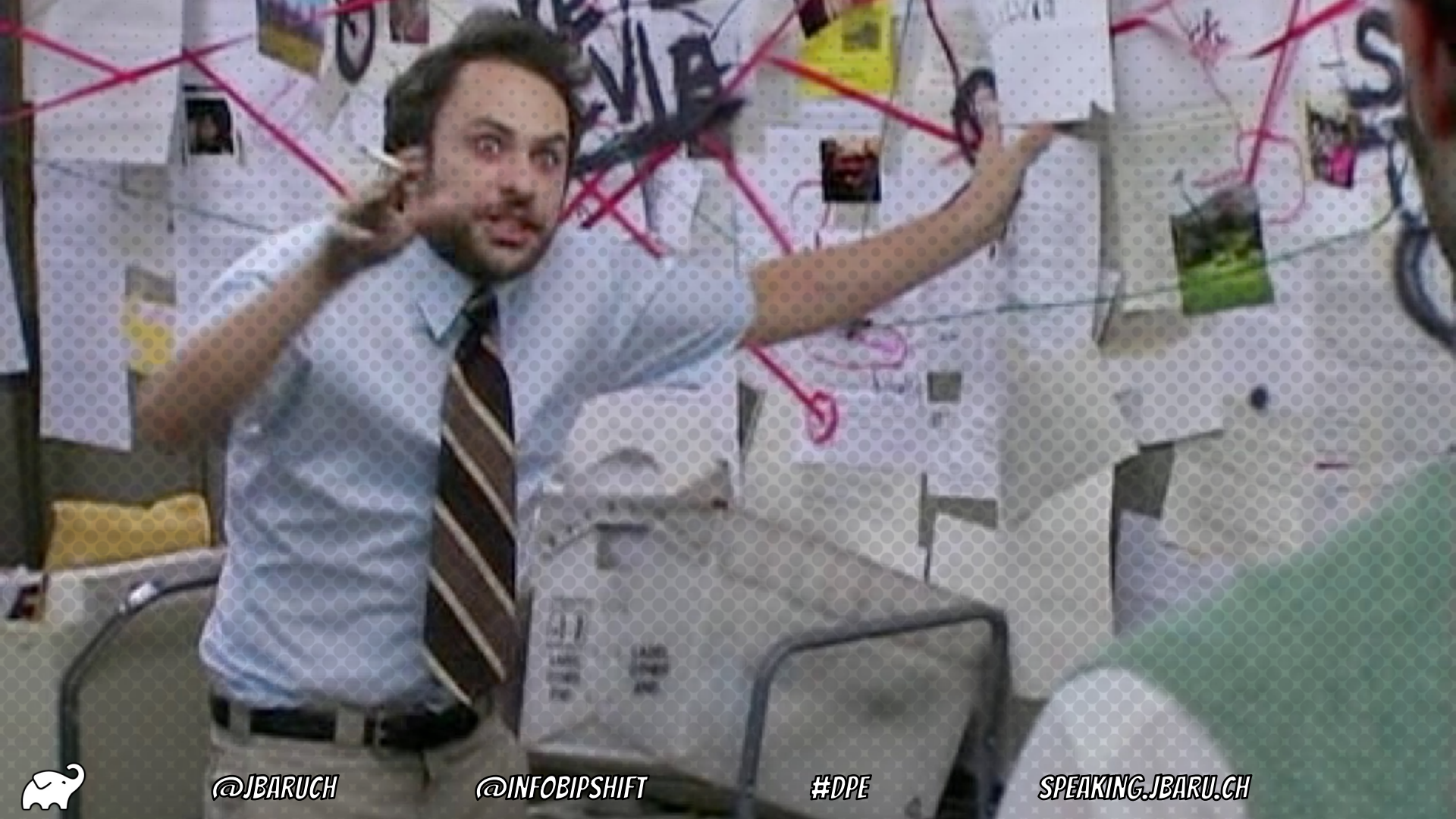


## ***TYPES OF WORK ACCORDING TO DEVELOPERS***

New Features	Writing code
Refactoring	Writing code
Bug Fixes	Writing code







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# *Manifesto for Software Craftsmanship*

**Raising the bar.**

**A**s aspiring Software Craftsmen we are raising the bar of professional software development by practicing it and helping others learn the craft. Through this work we have come to value:

Not only working software,  
but also **well-crafted software**

Not only responding to change,  
but also **steadily adding value**

Not only individuals and interactions,  
but also **a community of professionals**

Not only customer collaboration,  
but also **productive partnerships**

That is, in pursuit of the items on the left we have found the items on the right indispensable.

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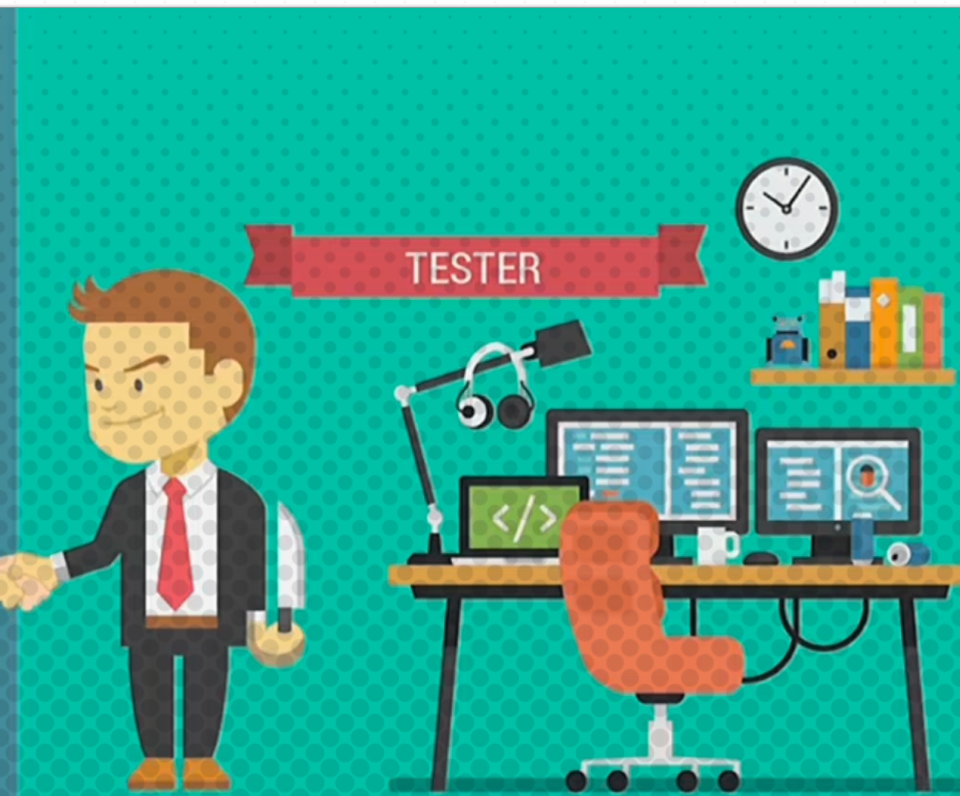


## ***SOFTWARE CRAFT-PERSON DEFINITION OF DONE***

- × We got what they want
- × Clear code
- × Easy to deploy
- × Non-func reqs - ✓
- × No new tech dept
- × Tests - ✓
- × QA are happy
- × Team lead is happy
- × Product owner is happy - (i.e. customer is happy)







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**TRACTORMEN, IMPROVE THE QUALITY OF TRACTOR-TRAILER TRACKING!**



INTERNET ARCHIVE

WayBack Machine



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Start banking online now  
Get a User ID

GO



### Returning Users: Log On

User ID:

Password:

☐ Remember my User ID  
[Forgot User ID/Password?](#)

Log On



### Security Center Highlights

Chase helps keep you safe and informed.

- ▶ Enhanced online security to help prevent fraud.
- ▶ Scams involving advance fees and cashier's check.
- ▶ Online fraud and e-mail scams
- ▶ Ways we protect you
- ▶ How you can protect yourself

### Personal Banking

- ▶ Checking
- ▶ Credit Cards
- ▶ Savings
- ▶ CDs
- ▶ Debit Cards
- ▶ Online Banking & Bill Pay

### Personal Lending

- ▶ Home Equity Loans & Lines
- ▶ Mortgage
- ▶ Auto/Vehicle Loans
- ▶ Student Loans

Enter the Chase  
"Log On to Cash In"  
Sweepstakes.

DETAILS

### Business

- ▶ Business Banking  
Revenues up to \$10MM
- ▶ Commercial Banking  
Revenues over \$10MM
- ▶ Business Credit Cards

### Insurance & Investing

- ▶ Insurance
- ▶ Investing
- ▶ Retirement Planning



Get the Details

### Tell me about...

- ▶ **Premier Platinum Banking**  
Exclusive banking and investment benefits for clients with higher balances

### News & Announcements

- ▶ **U.S. Armed Forces Overseas**  
Please contact us if you need assistance with your Chase accounts.
- ▶ **Chase offers Zero-Fees!**  
For academic year 2007-2008 the origination fee will be paid on all Federal Stafford Loans that Chase funds directly to students.
- ▶ **Fair Lending & HMDA Data**
- ▶ **Chase Clear & Simple Expands**





Start banking online now  
Get a User ID

GO



Details

It's more than free.

Get the Details

Returning Users: Log On

User ID:

Password:

☐ Remember my User ID

[Forgot User ID/Password?](#)

Log On



Security Center Highlights

Chase helps keep you safe and informed.

- Enhanced online security to help prevent fraud.
- Scams involving advance fees and cashier's check.
- Online fraud and e-mail scams
- Ways we protect you
- How you can protect yourself

Personal Banking

- Checking
- Credit Cards
- Savings
- CDs
- Debit Cards
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Personal Lending

- Home Equity Loans & Lines
- Mortgage
- Auto/Vehicle Loans
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Business

- Business Banking Revenues up to \$10MM
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Insurance & Investing

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- Retirement Planning



Tell me about...

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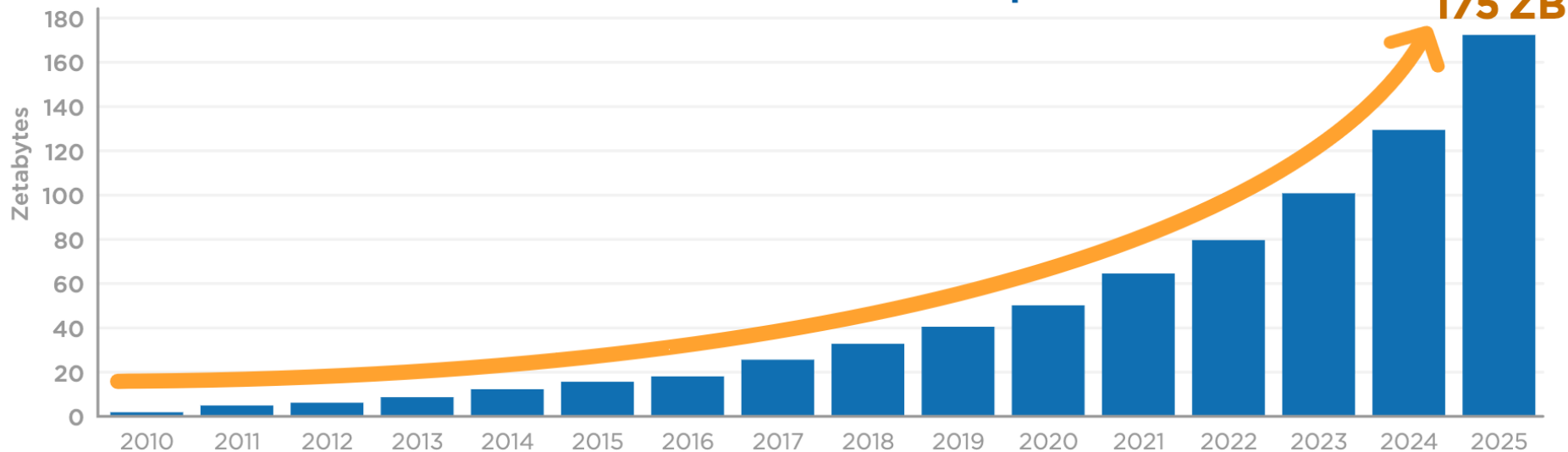
12 HOURS MAINTENANCE FOR WEBSITE UPDATE TO ENSURE QUALITY





# CODE QUALITY IS NOT ENOUGH

Annual Size of the Global Datasphere



Source: Data Age 2025, sponsored by Seagate with data from IDC Global DataSphere, Nov 2018



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# STAGING SERVER

JOLLY WHERE THE TIMES  
WHEN WE COULD TEST EVERYTHING  
BEFORE DEPLOYING TO PRODUCTION

1985 - 2015



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***WHAT DO WE DO?!***



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**PRODUCTION STEAMS ITS WAY TO THE DEVELOPERS!**





**WELCOME TO ON-CALL!**



## ***SOFTWARE CRAFT-PERSON DEFINITION OF DONE***

- × We got what they want
- × Clear code
- × Easy to deploy
- × Non-func reqs - ✓
- × No new tech dept
- × Tests - ✓
- × QA are happy
- × Team lead is happy
- × Product owner is happy - (i.e. customer is happy)
- × It's DevOps ready





## ***DEVOPS-READY SOFTWARE (A.K.A. CLOUD-NATIVE)***

- × Clear deployment plan
- × Stable and fast build
- × Stateless code
- × Fast startup and stop
- × Observability
- × Feature flags
- × Backwards and forward-compatible
- × Event streaming





***10 YEARS OF TRYING...  
AND DEVELOPERS STILL  
AREN'T EXCITED ABOUT  
DEVOPS***



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***#DPE***

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**WELCOME TO DEVOPS!**

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***HOW DO WE GO  
FROM 😞 TO 😄 ?!***



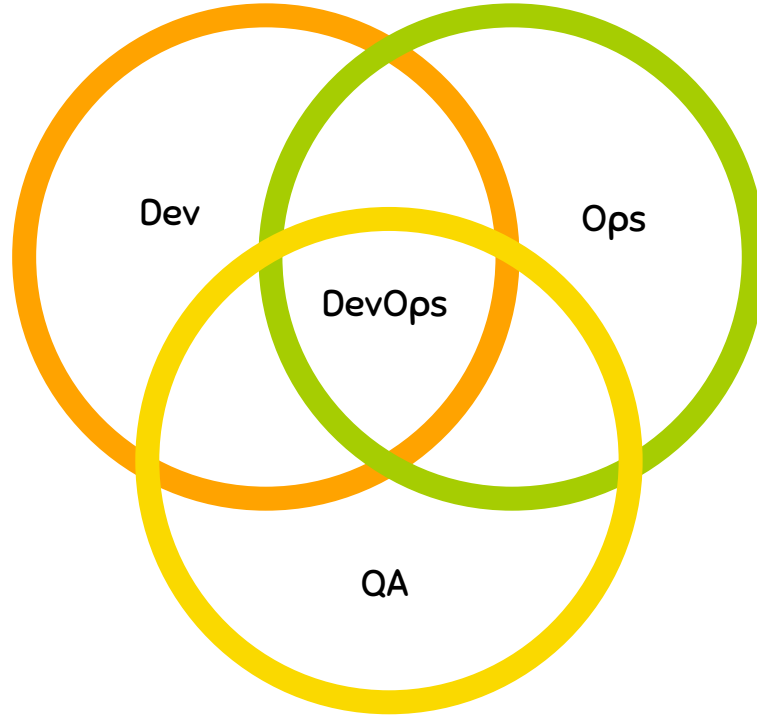
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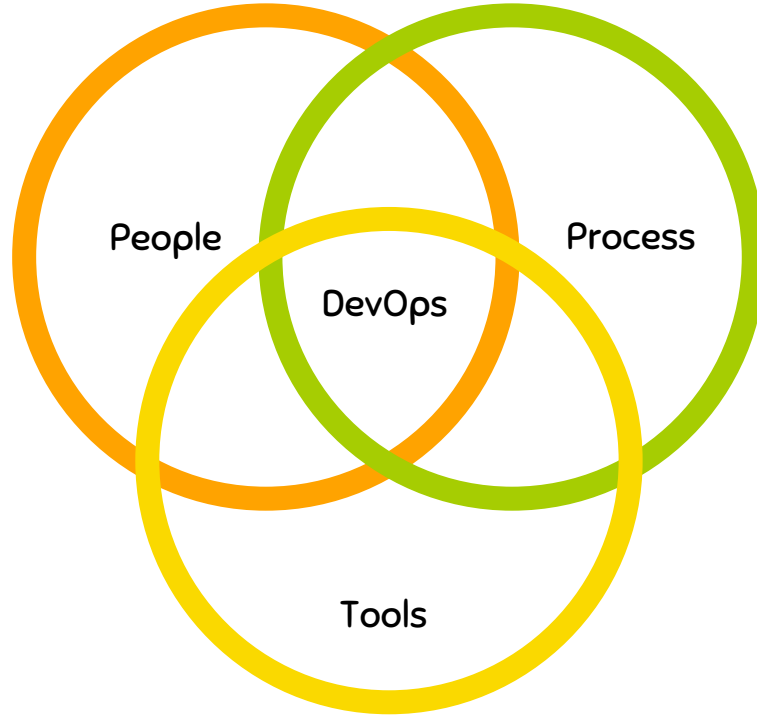
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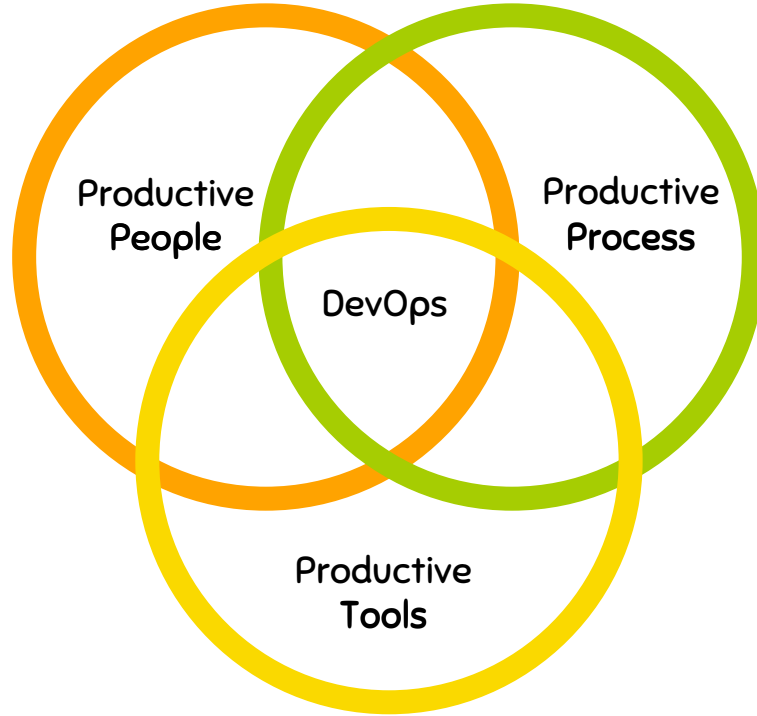
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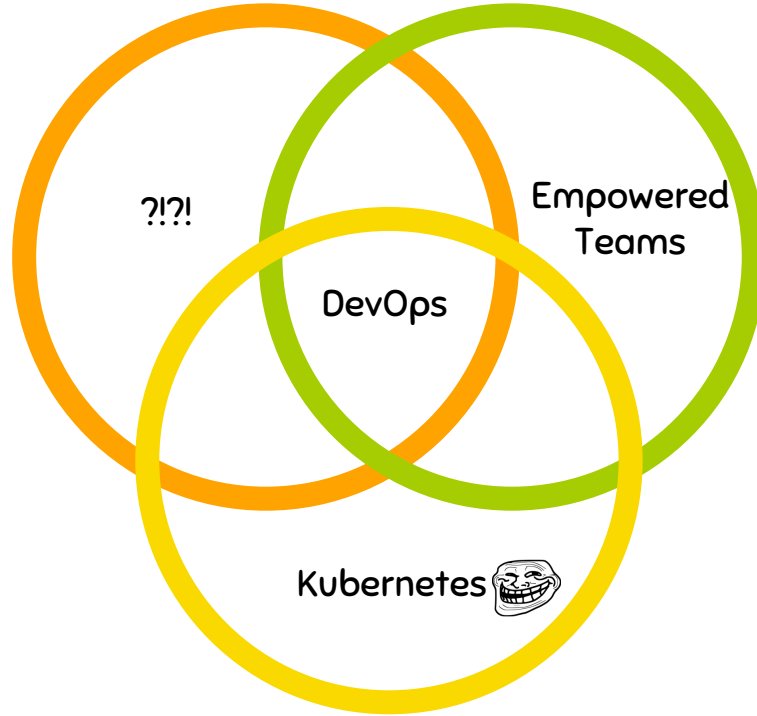














# THE PAIN IS REAL

GRADLE ENTERPRISE CUSTOMER STATISTIC

## Buils and Tests are Slow!

92% of surveyed IT organizations experienced challenges with too much time spent waiting on build and test feedback.



Source: TechValidate survey of 26 users of Gradle Enterprise

Validated Published: Mar 31, 2023 TVID: C42-7D4-678



TechValidate

GRADLE ENTERPRISE CUSTOMER RESEARCH

## Developer Pain Points

Which of the following challenges or pain points did your organization experience prior to implementing Developer Productivity Engineering?



Source: TechValidate survey of 20 users of Gradle Enterprise

Validated Published: Nov 1, 2021 TVID: BAF-CDD-A05



TechValidate



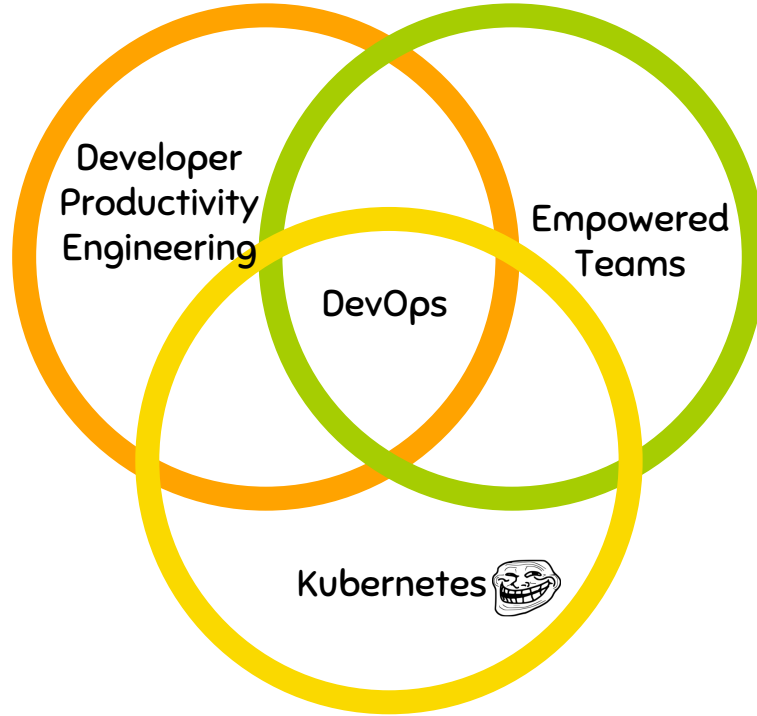
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# ***DEVELOPER PRODUCTIVITY ENGINEERING***

Foster Faster Feedback

Collaborate through  
Effective Tooling

Embrace Rigorous  
Observability for  
Proactive Improvement

Eliminate Toil for  
Developers

Prioritize Automation  
and Eliminate  
Bottlenecks

Dedicated  
Organizational Mindset

Outcomes Over Output





## ***DEVOPS AGAINST DEVELOPERS?***

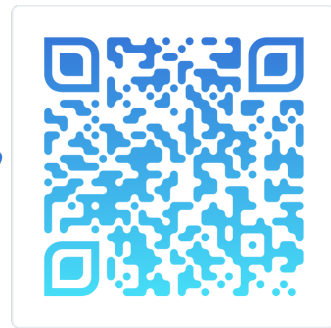
- × DevOps mainly solves Ops' concerns by making processes and ops tools more productive
- × Developer Productivity Engineering makes devs more productive
- × This is how we bring developers into the fold of DevOps





## ***LEARN MORE AND TRY IT TODAY!***

- × Take the Gradle/Maven Speed Challenge
- × Be DPE Agent of Change!
- × Read the DPE Handbook
- × Watch the DPE Summit videos



*Scan me*

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***#DPE***

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# ***THANKS!***



Q&A and Twitter X/Bsky/Mastodon/LinkedIn ads:

- x @jbaruch
- x @InfobipShift
- x speaking.jbaru.ch