

Beyond Firefighters vs. Safety Matches

Growing the DevSecOps Talent Pipeline

**Amélie Erin Koran - Technology
Advocate**

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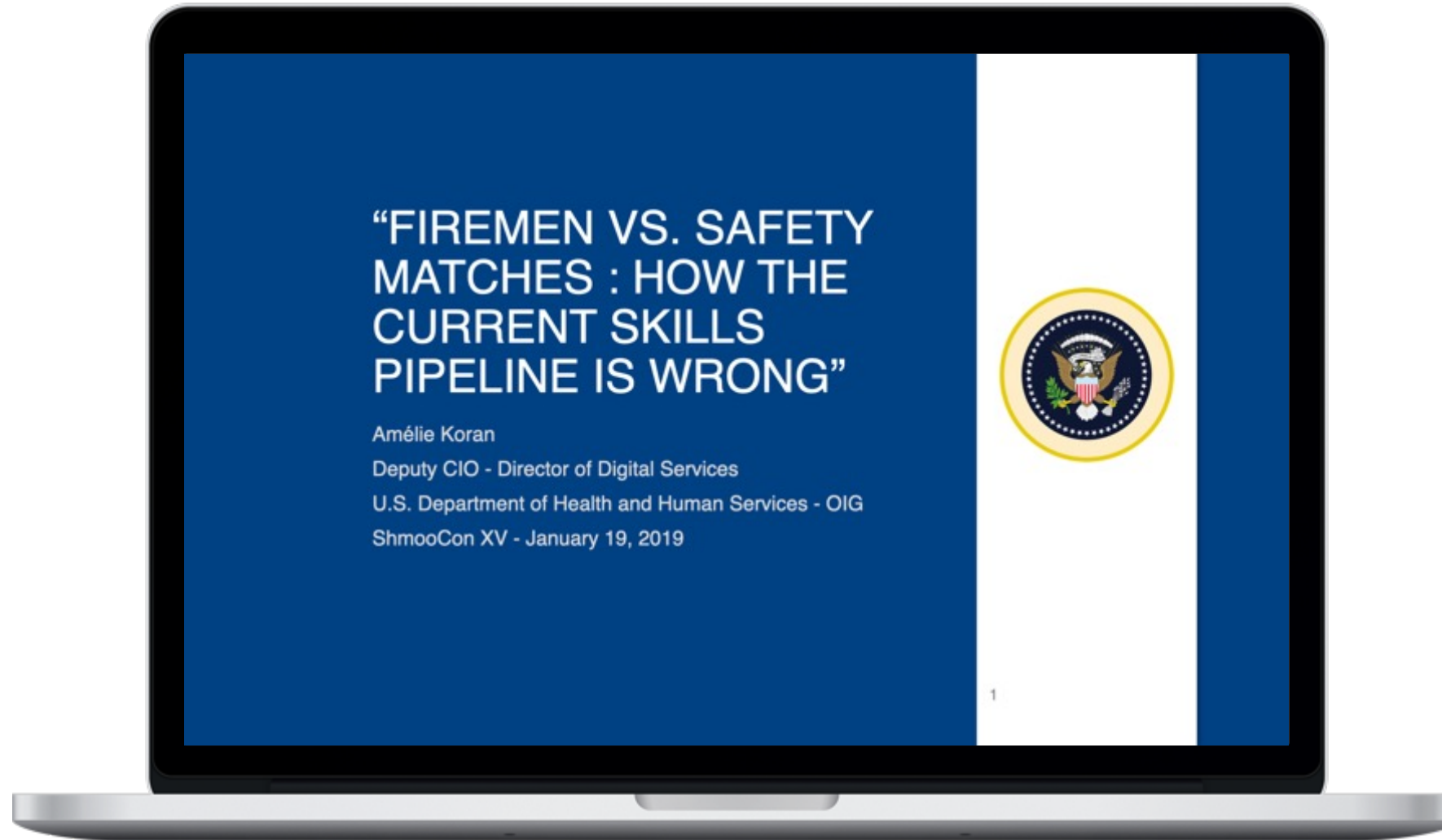


Amélie Erin Koran

@webjedi / akoran@splunk.com
Senior Technology Advocate | Splunk, Inc.

**It (Sort Of)
Began
Three Years
Ago...**

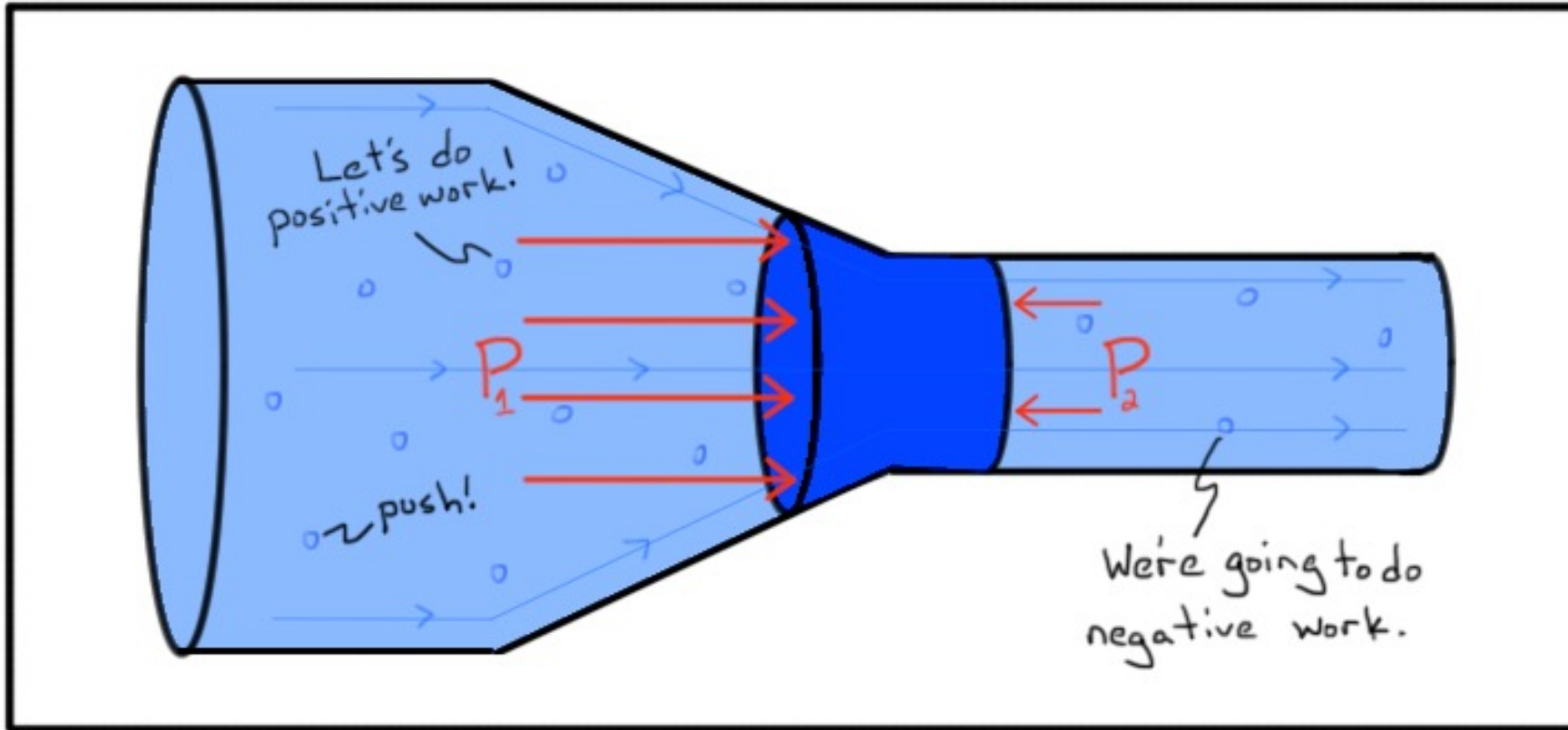
**But Didn't
Start, Or
End There**



It was, in fact... not fine



Tech Talent Bernoulli

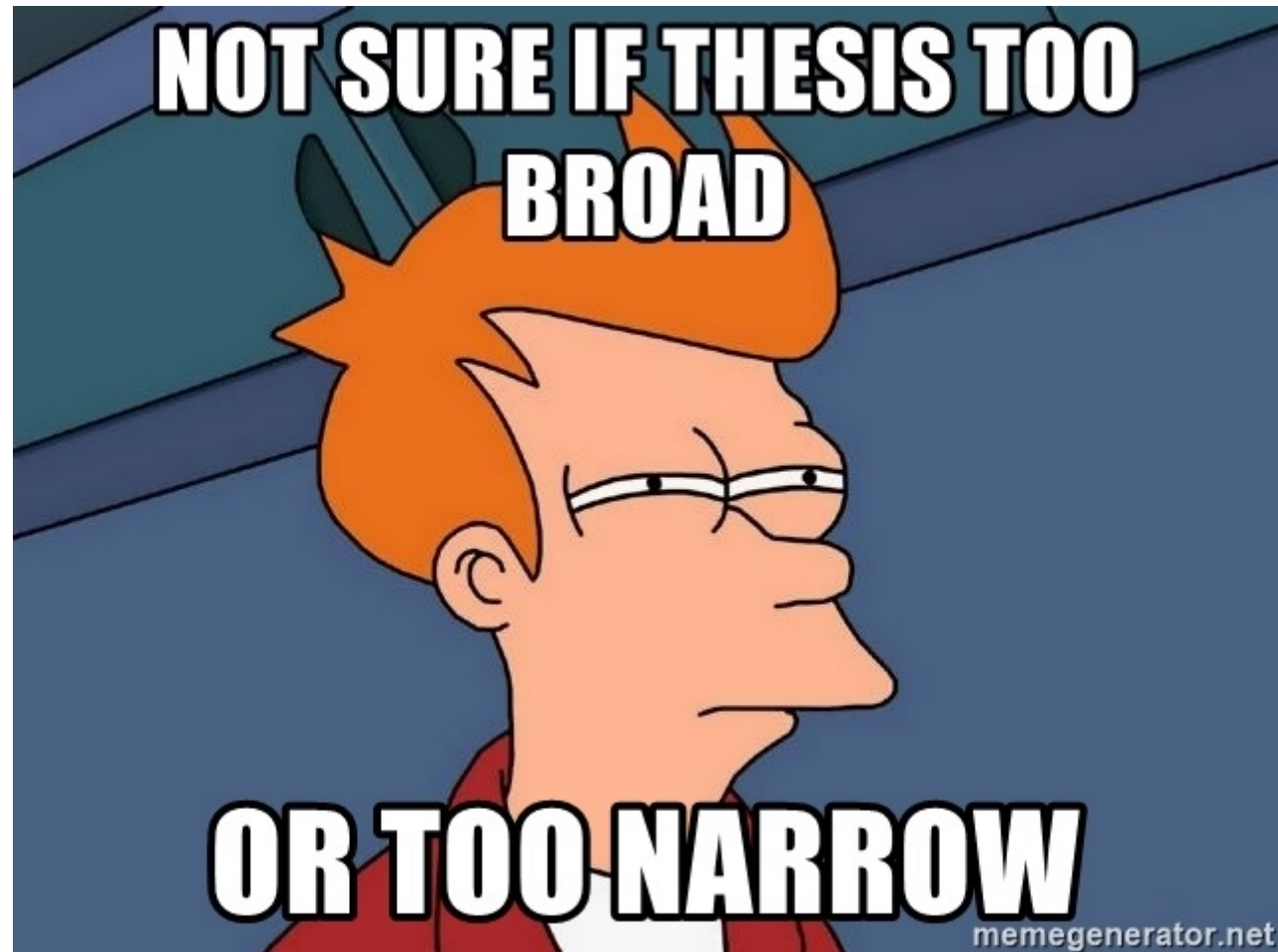


Source: <https://www.khanacademy.org/science/physics/fluids/fluid-dynamics/a/what-is-bernoullis-equation>

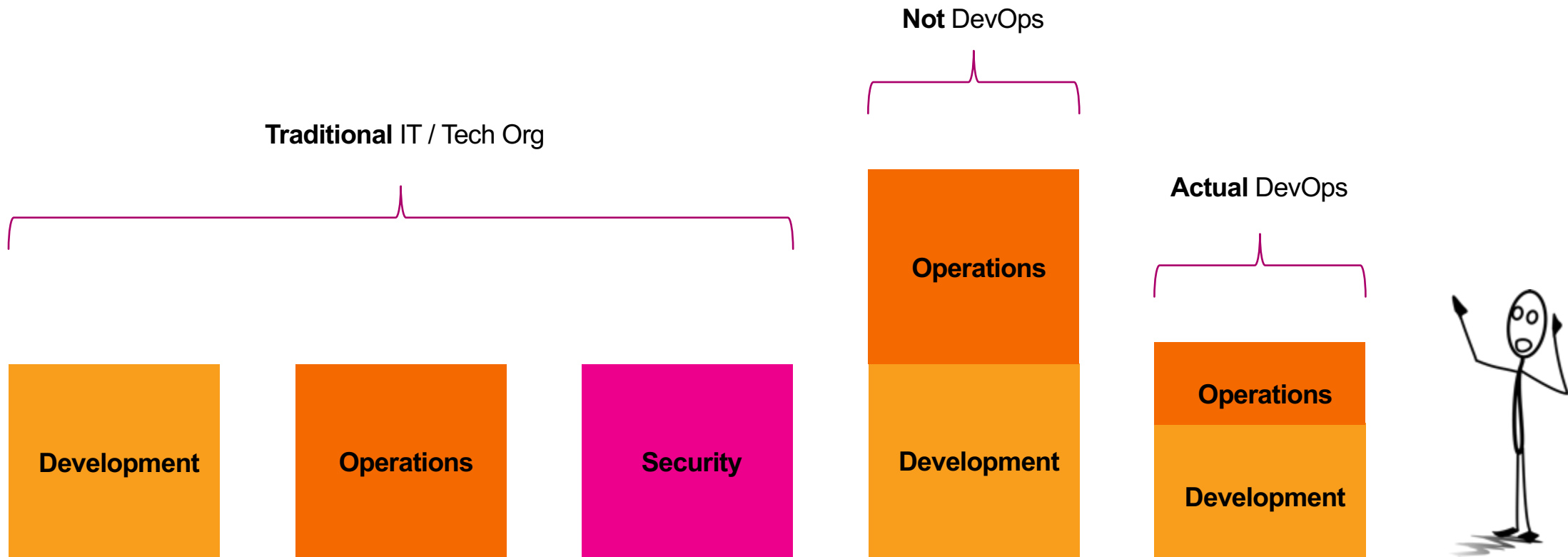
Let's Douse The Problem With SREs



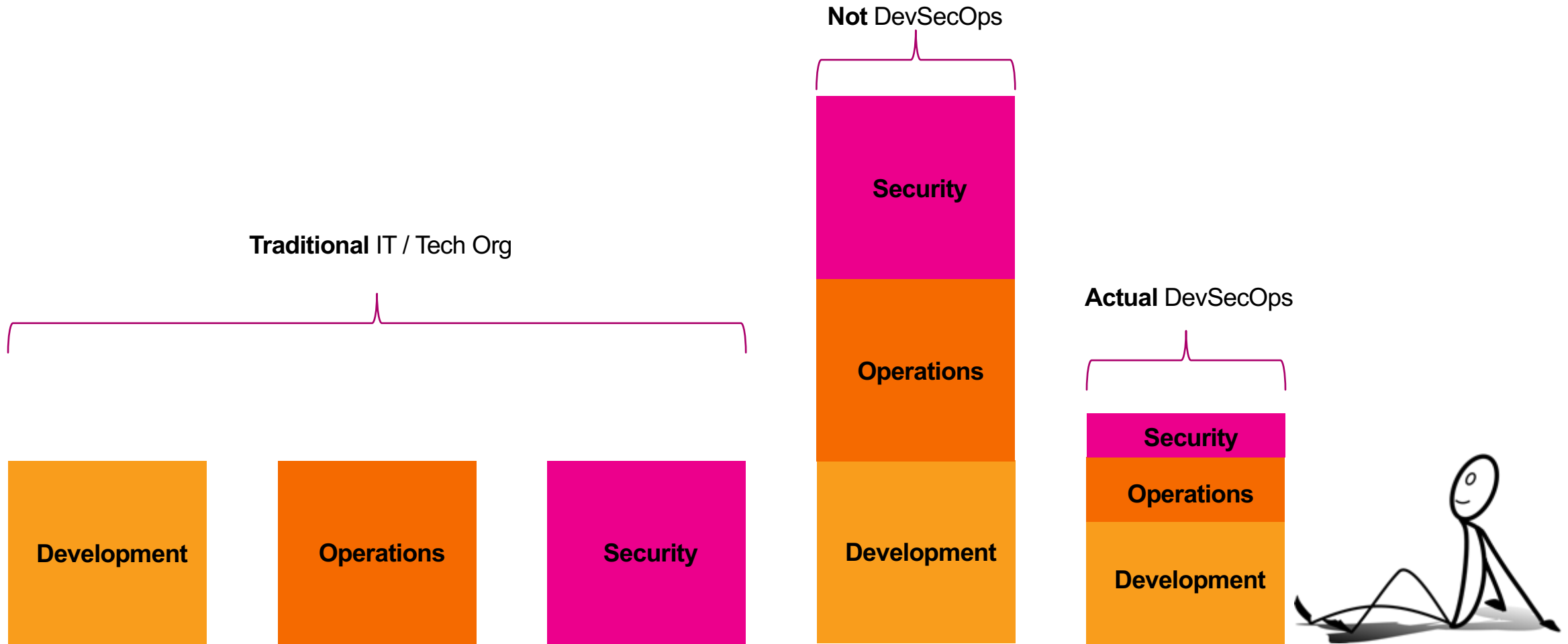
So What Is It?



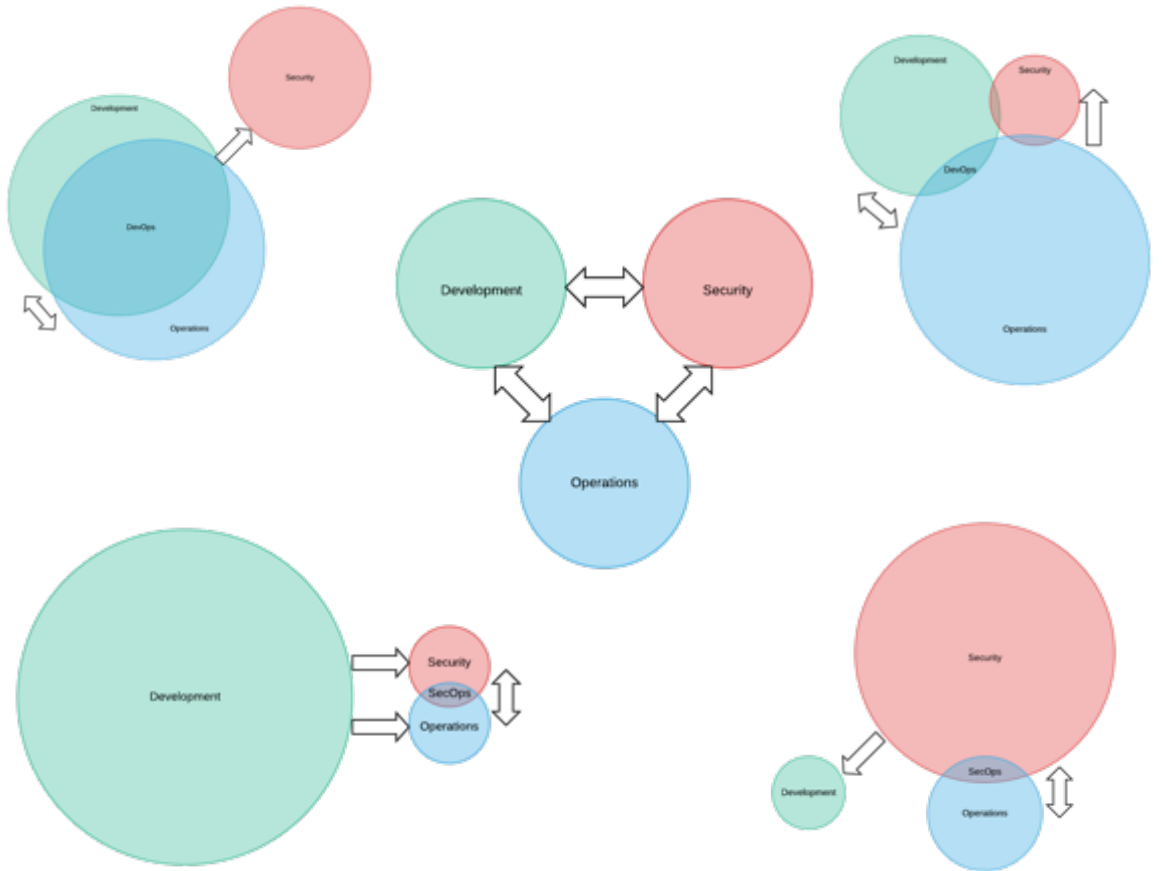
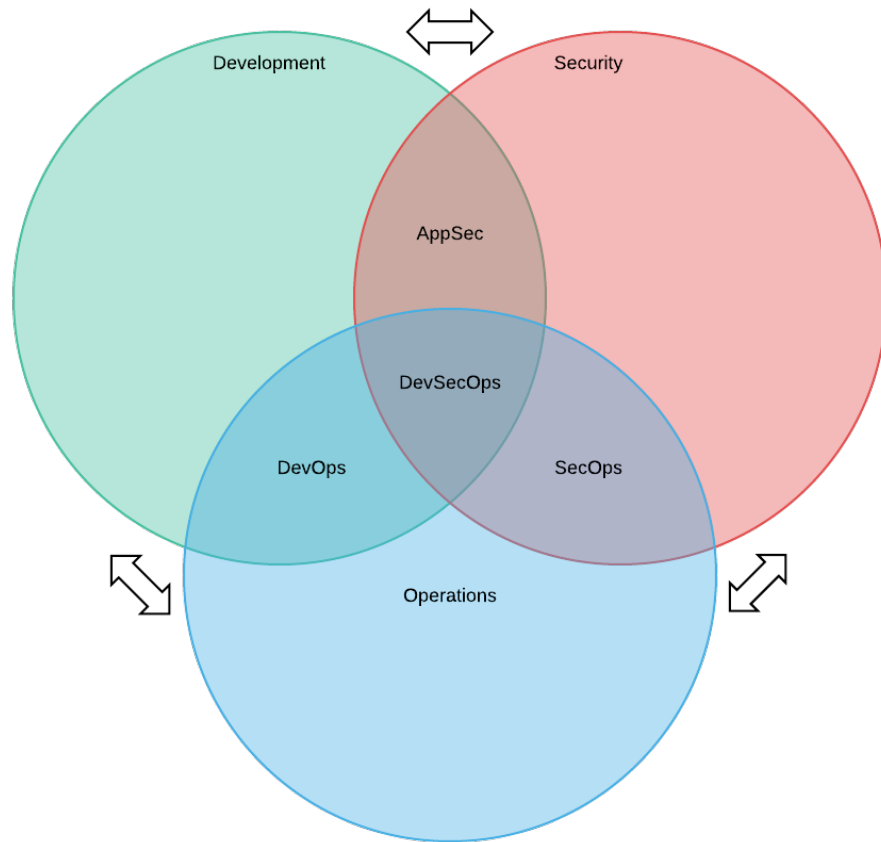
The Personal Stack - DevOps



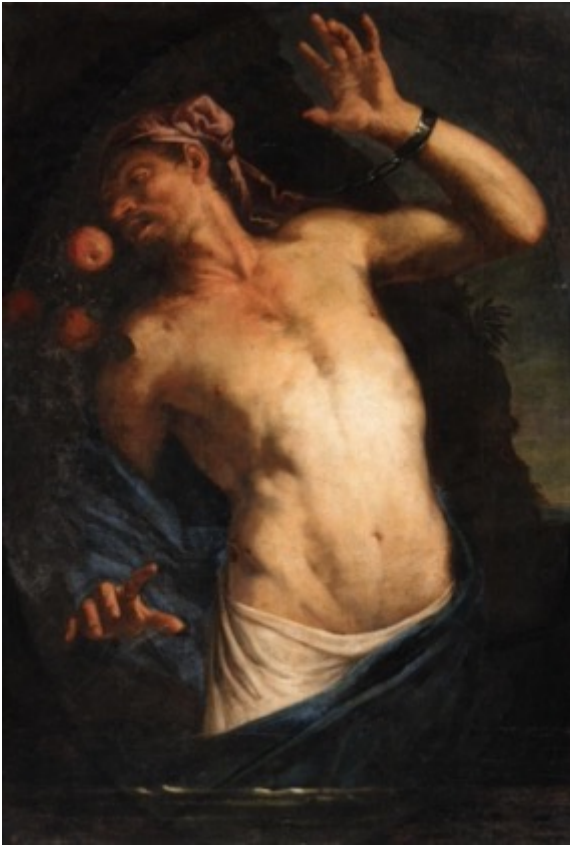
The Personal Stack - DevSecOps



Working In Your Element



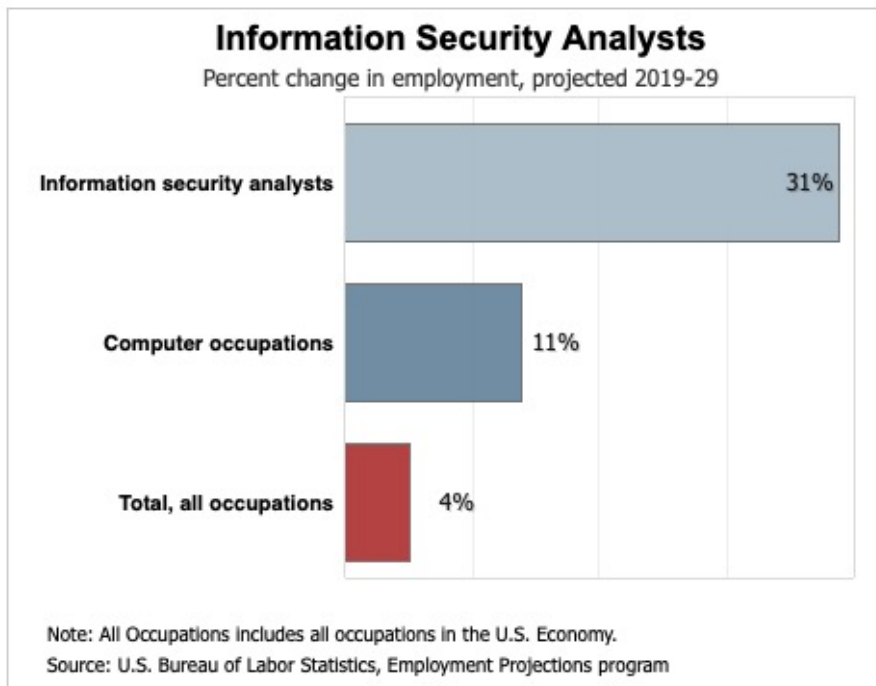
Balance vs. Burnout



Source: *Tantalus*, oil on canvas by Giovanni Battista Langetti 1635-76; private collection

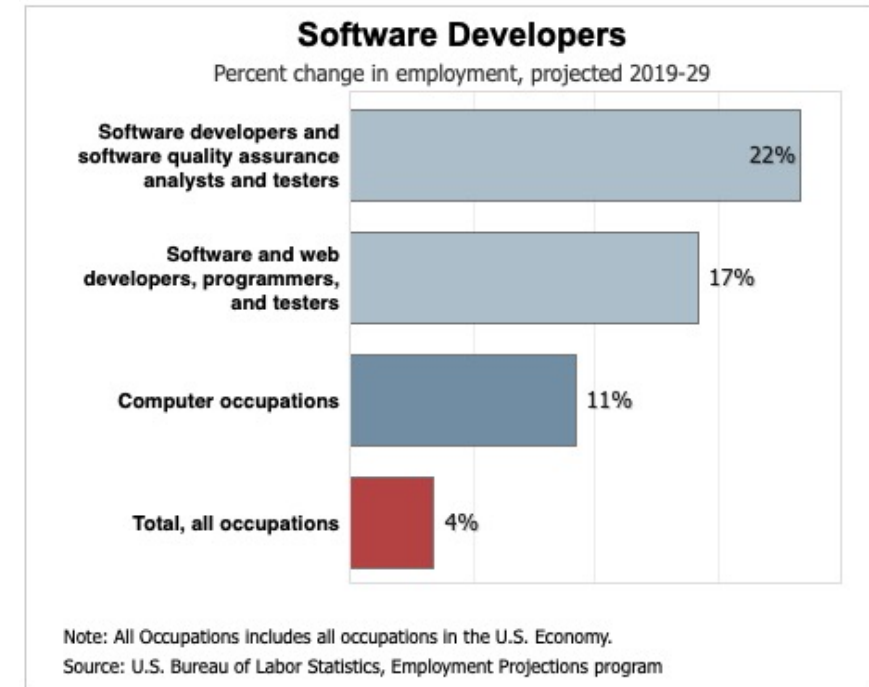
Source: *Sisyphus*, oil on canvas by Titian, 1548-49; in the Prado Museum, Madrid.

Our Numbers Slide – Part I



Security Careers

Government Projections vs. Reality



DevSecOps Careers

Government Projections vs. Reality

Our Numbers Slide – Part II

National level

TOTAL CYBERSECURITY JOB OPENINGS ⓘ

521,617

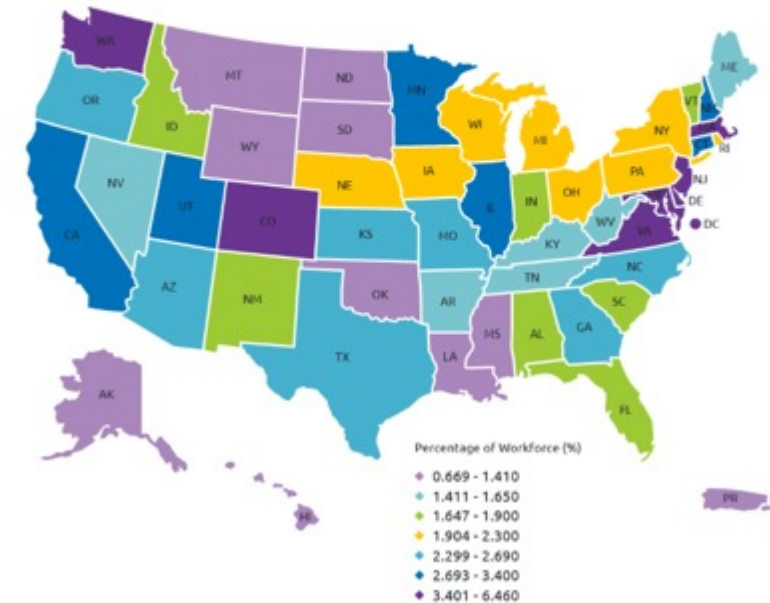
TOTAL EMPLOYED CYBERSECURITY
WORKFORCE ⓘ

941,904

The Number of Software Developers in the US By Different Sources

	2016	2017	2019
Number of Software Developers in the USA	4,4 million	1,36 million	4,2 million

HOW MANY SOFTWARE ENGINEERS ARE IN THE US? DAXX



Source: daxe.com

Source: <https://www.cyberseek.org/heatmap.html>

Source: Daxx - <https://www.daxx.com/blog/development-trends/number-software-developers-world>

Dr. Ian Malcolm Sez Da Truth

“I’ll tell you the problem with the scientific power that you’re using here: it didn’t require any discipline to attain it.

You read what others had done and you took the next step.

You didn’t earn the knowledge for yourselves, so you don’t take any responsibility for it.

You stood on the shoulders of geniuses to accomplish something as fast as you could and before you even knew what you had you patented it and packaged it and slapped it on a plastic lunchbox, and now you’re selling it, you want to sell it.”

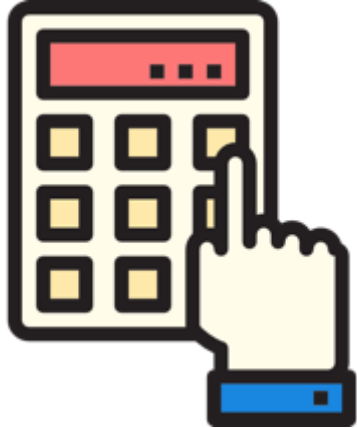


My Experiences... In Brief



A Refresher On “My Problems”

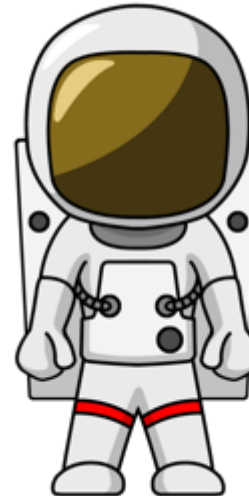
The Accountant
Problem



The SEAL
Problem



The Astronaut
Problem



The Firefighter
Problem



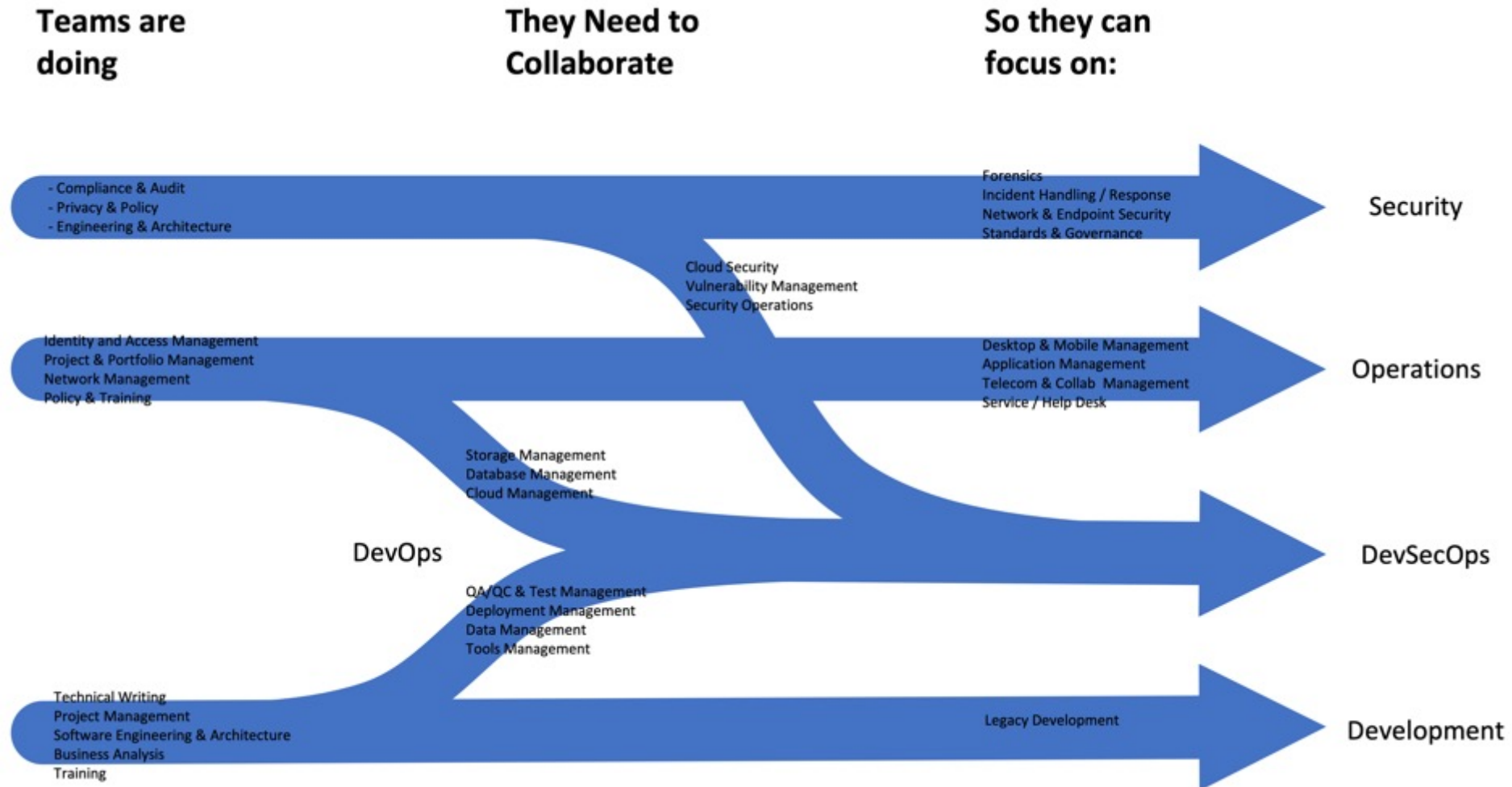
Your Mission... If You Choose To Accept It



But Also...



Tactics, Techniques and Procedures



A Closure... But Not The End Of The Road



Thank You!

