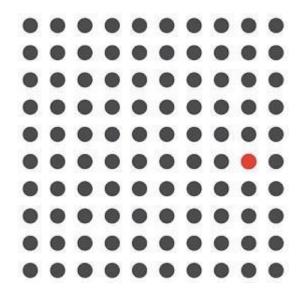
ADDO"
ALL DAY DEVOPS

NOVEMBER 6, 2019

Manuel Pais, Team Topologies

Beating the 1:100 Odds with Team Design for Security











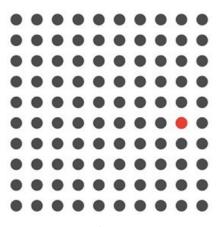






1 in 100: How to Design Teams to Bridge the Security Gap







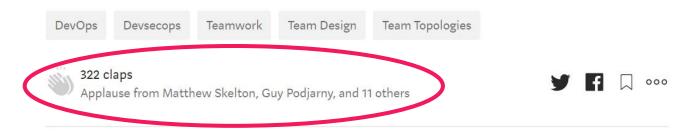






What other team topologies and security strategies have you seen in your organizations or clients? Please comment below or email me at:

me at manuelpais dot net



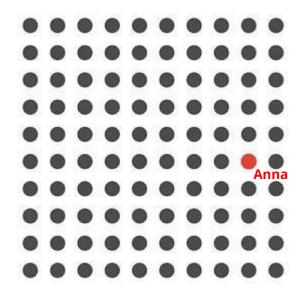


WRITTEN BY

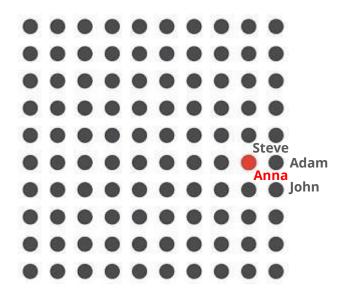
Manuel Pais

Independent Consultant. Co-author of "Team Topologies" book

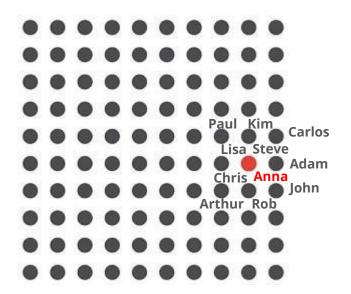




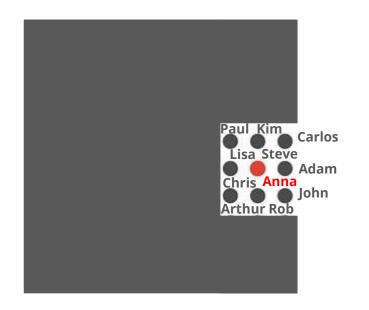
















Security team



Source: https://www.ona.ca/blog/cyber-security-insurance-ottawa/#.XcAZODNKhPY







Product team



VULNERABILITY CHECKING

SECURE CODE ANALYSIS

CLOSED PORTS

AUTHENTICATION &
AUTHORIZATION

SECRETS MANAGEMENT

Product team





VULNERABILITY CHECKING

SECURE CODE ANALYSIS

SCAN ARTIFACTS

CLOSED PORTS

AUTHENTICATION & AUTHORIZATION

SECRETS MANAGEMENT

OWASP TOP 10

Product team



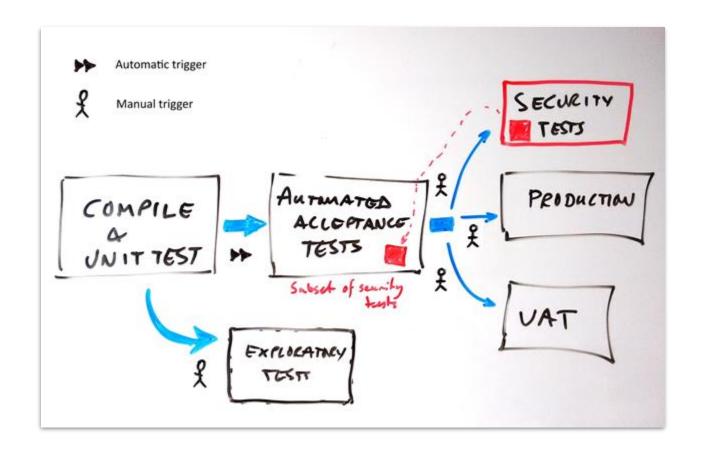




Honest question: besides adding the sec tools to the pipeline what are some great examples of #devsecops improving collaboration to improve things. Bonus if you experienced it yourself

11:52 PM · Oct 16, 2019 · Twitter for iPhone







Securing a Continuous Delivery Pipeline

BY MATTHEW SKELTON & MANUEL PAIS

QUICK VIEW

01

With a collaborative mindset, security officers, developers, and testers can come together and help each other with their respective gaps in knowledge and experience.

02

At an early stage it might be advisable to keep manual security controls in the delivery pipeline.

03

Tools and practices alone don't lead to more secure systems; we also need frequent and open communication, feedback, and empathy for other people.



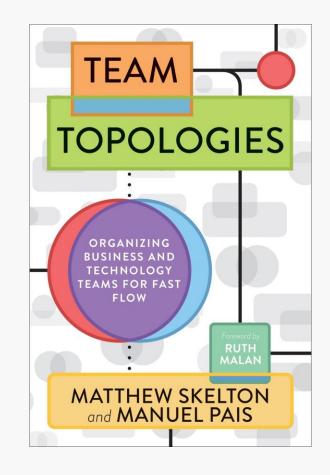
Team Topologies

Organizing business and technology teams for fast flow

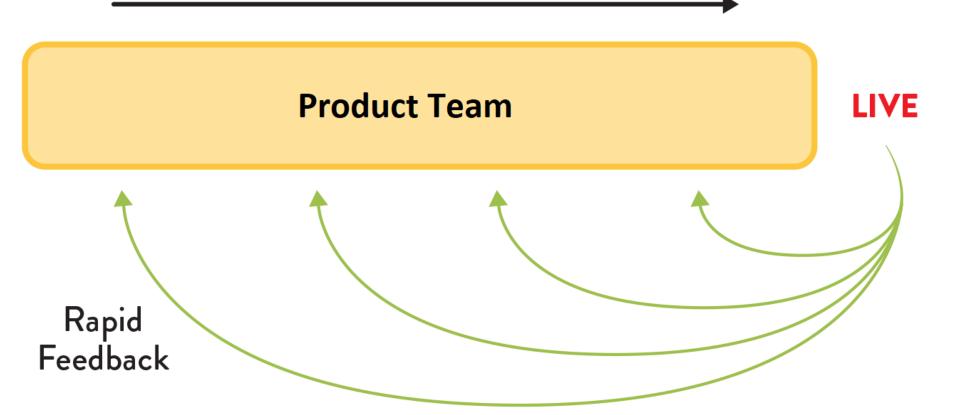
Matthew Skelton & Manuel Pais

IT Revolution Press (2019)

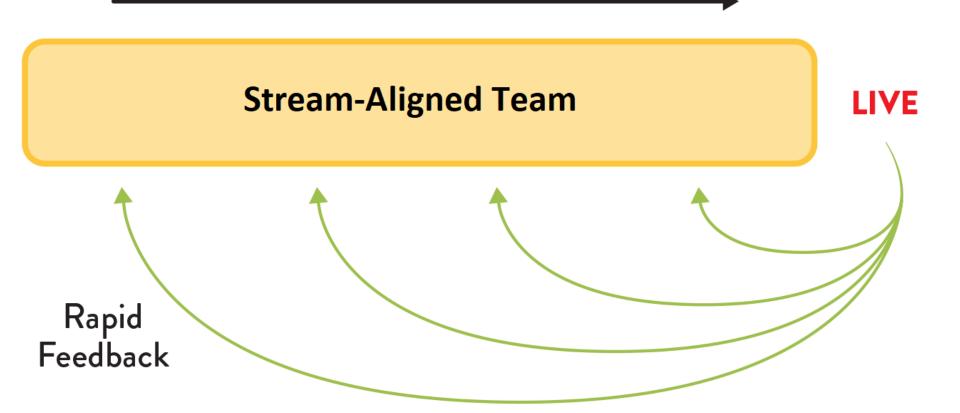
https://teamtopologies.com



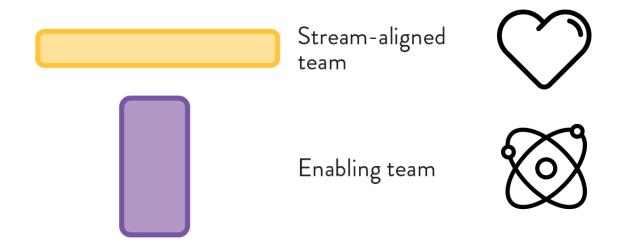














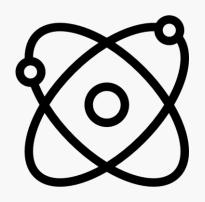








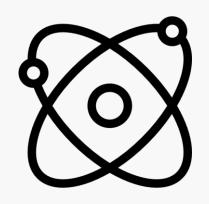
Enabling Purpose



orbit around stream-aligned teams



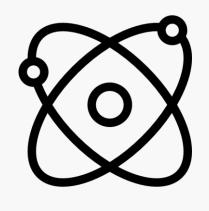
Enabling Purpose



team of security experts to detect and help bridge gaps



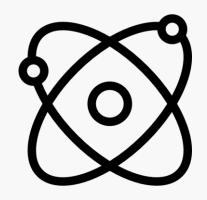
Enabling Purpose



reduce dependencies on security experts by teaching rather than doing the work



Enabling Behaviors

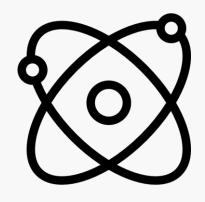


regular checkpoints with stream-aligned team

jointly agree when more collaboration is needed



Enabling Behaviors



stay on top of new security

- strategies
- practices
- tools
- frameworks
- threats / behaviors



GAUNTIT

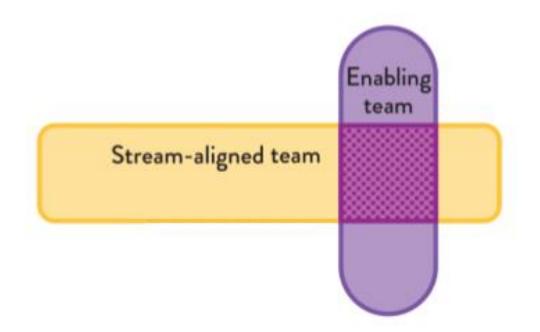
BE MEAN TO YOUR CODE AND LIKE IT

```
Scenario: Check standard web ports
 When I launch an "nmap" attack with:
    ** ** **
    nmap -F <hostname>
    11 11 11
  Then the output should match /80.tcp\s+open/
  Then the output should not match:
    11 11 11
    25\/tcp\s+open
    ** ** **
```

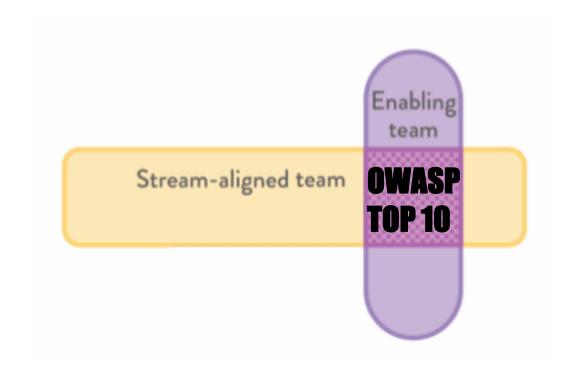
Scenario: Passwords should be case sensitive Given a new browser or client instance When the default user logs in Then the user is logged in When the case of the password is changed And the authentication tokens on the client are deleted And the login page is displayed And the user logs in Then the user is not logged in



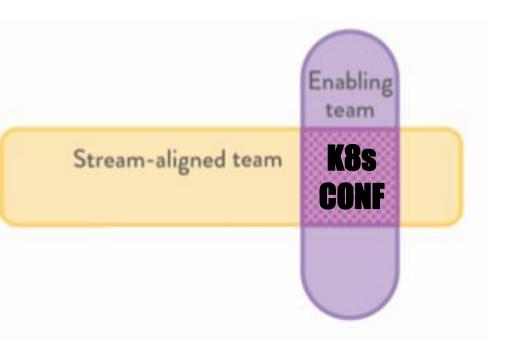




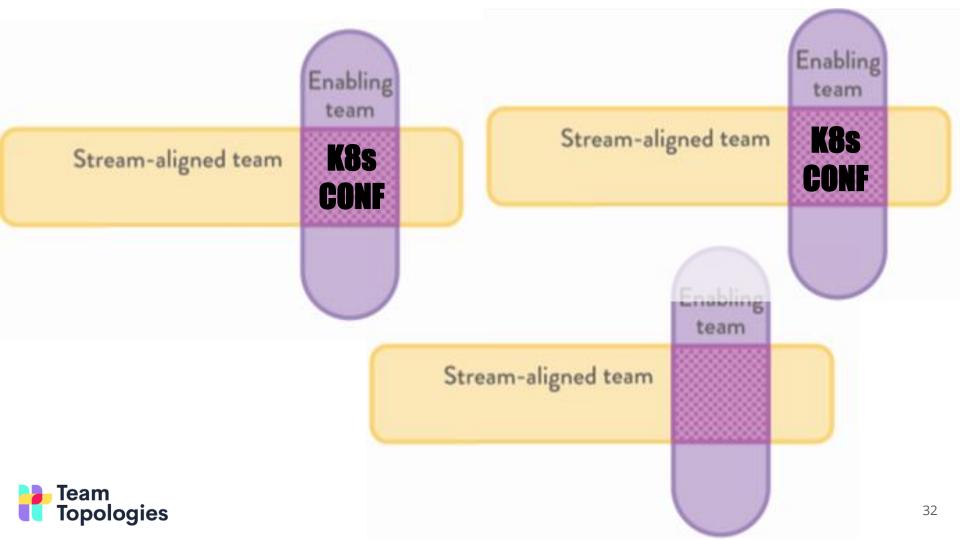


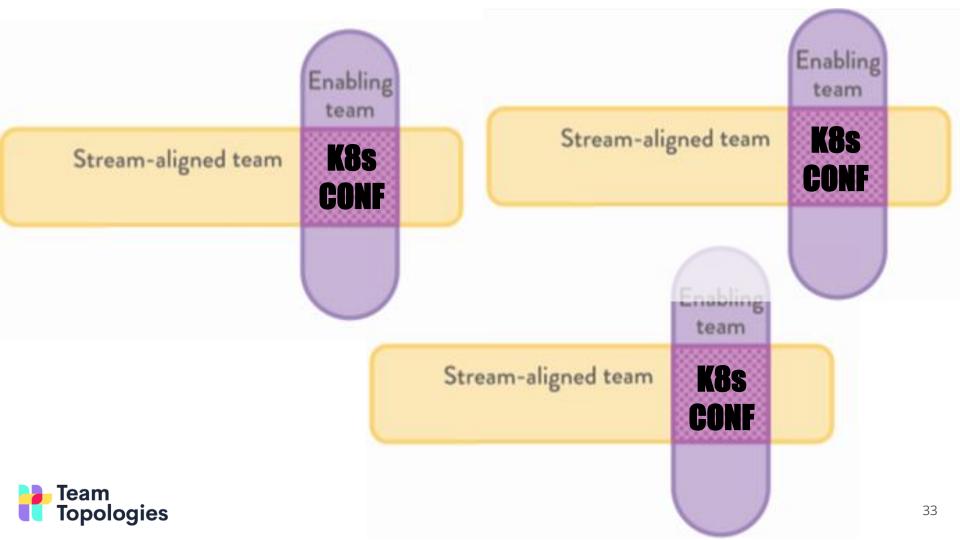


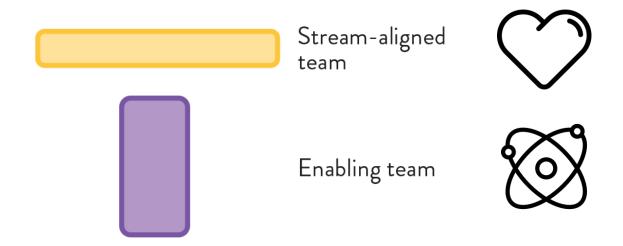




















Discover useful patterns then push to platform (sensing for evolution)









How Dropbox Security builds tools for threat detection and incident response

Mayank Dhiman, Wilson Kong, and Colin O'Brien | October 16, 2019





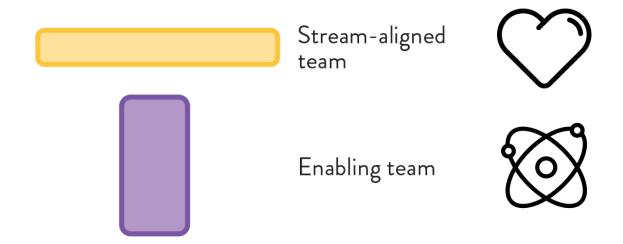




The Dropbox Detection and Response Team (DART) detects and mitigates information security threats to our employees, infrastructure, and customer data. DART ingests security-relevant logs for building detection, threat hunting and responding to potential incidents. Our log volume is huge, averaging tens of terabytes a day.

The problem we're solving

Apart from building detections to track suspicious behavior and triaging incidents, we also spend large chunks of our time triaging false positive alerts and building context around individual alerts. This was time not spent hunting for attackers. As a result, any way to automate or improve triage process efficiency was appealing.











https://twitter.com/patrickdebois/status/1184587947607314433



Patrick Debois @home @patrickdebois

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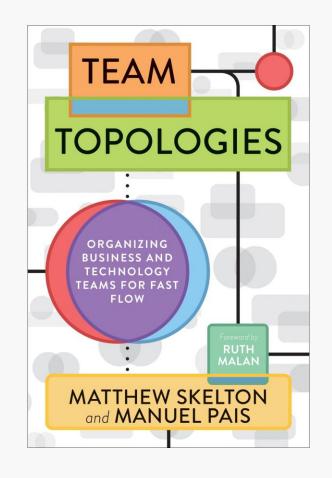
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https://teamtopologies.com





Training







Day 1 Fundamentals

Day 2 Deep Dive

Day 3
Applying in Context

teamtopologies.com/training



Thank you! teamtopologies.com



Matthew Skelton, Conflux @matthewpskelton



Manuel Pais, Independent @manupaisable



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