



Working on DevSecOps Culture

A team centric view

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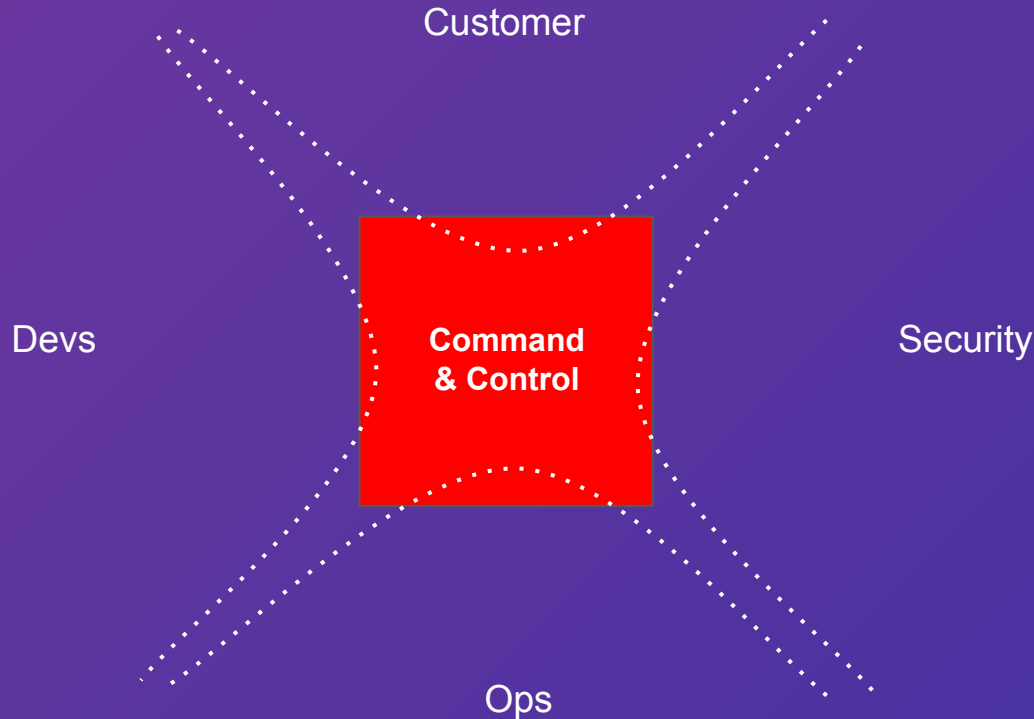
Tools & Culture



Patrick Debois – #thinktogether

Dev(sec)Ops: everything you do to overcome the friction created by silos ... All the rest is plain engineering

Dev(Sec)Ops Friction Points



Know your pains

Understand the **bottlenecks** introduced by **Silos** you need to overcome.

Technical

stack, environment, tools

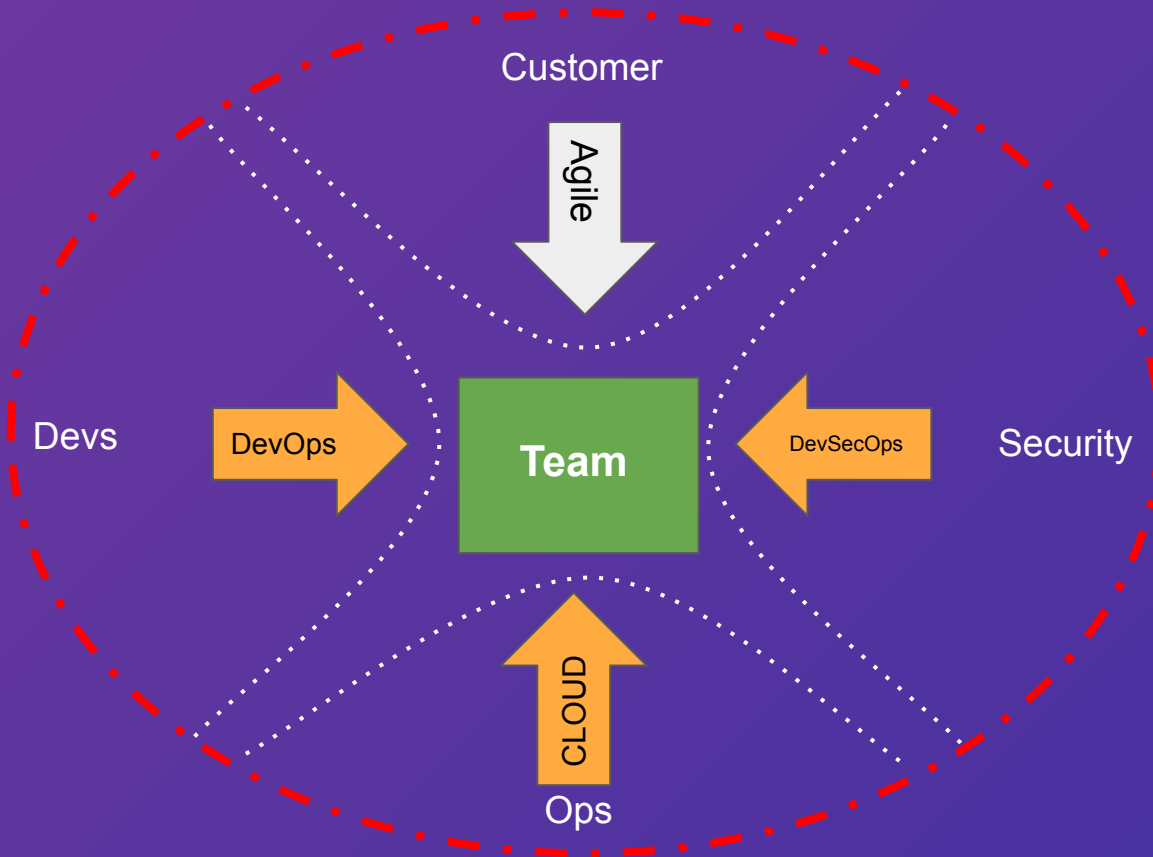
Management

prioritisation, budget, authority, hiring, incentives

Personal

education, knowledge, motivation

Pressure / Shifts



Forces At Work

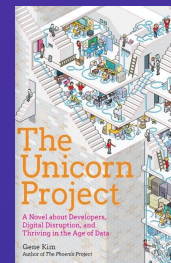
Different forces at work will cause movement.

*Shift Down - **Agile***

*Shift Right - **DevOps***

*Shift Left - **DevSecOps***

*Shift Up - **Cloud***



The diagram illustrates the Autonomous Team model. At the center is a teal box labeled "Autonomous Team". Four orange arrows point towards this central box: a top arrow labeled "Agile" from "Customer", a bottom arrow labeled "CLOUD" from "Ops", a left arrow labeled "DevOps" from "Devs", and a right arrow labeled "DevSecOps" from "Security". Dotted white lines connect the outer labels to the central team box. A red dashed line forms a circle around the entire diagram.

Empower the people doing the work to make the right decisions. **Delegation of authority** does not happen magically overnight.

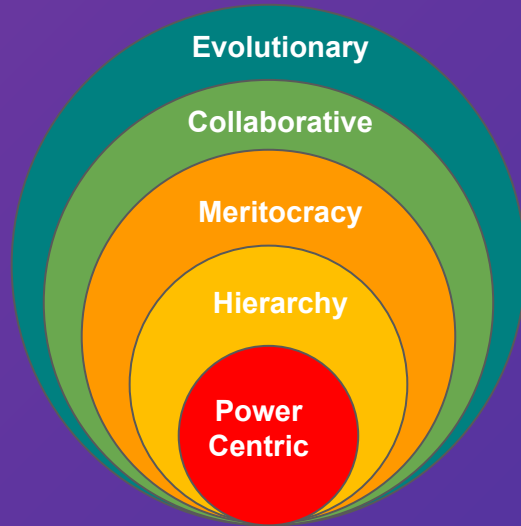
L. DAVID MARQUET
 CAPTAIN, U.S. NAVY (RETIRED)
 EDITOR OF *STRATEGIC & TACTICAL*

Turn the Ship Around

**A TRUE STORY OF
 TURNING FOLLOWERS
 INTO LEADERS**

"The book has the potential to revolutionize the way we think about leadership. It's a must-read for anyone who wants to lead." —
FORBES

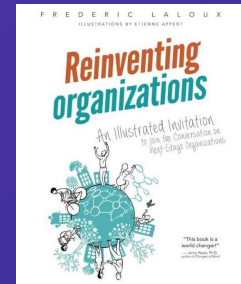
Company Collaboration Culture



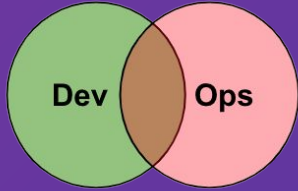
Autonomy - Meaning
Empower - Customer Centric
Measure - Scientific & KPIs
Automation - Order & Stability
Command & Control

Your CEO will set the tone

Organization have different cultures. Depending on your context you will focus more on automation, metrics, empowerment or command and control. You need to **work on ALL layers to embed it** in the organization.



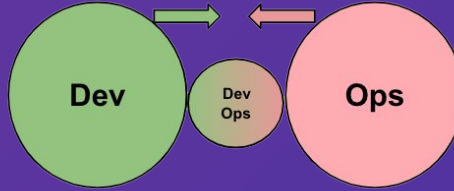
Dev(Sec)Ops Team Patterns



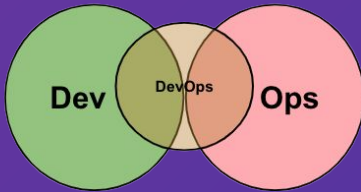
Dev and Ops
Collaboration



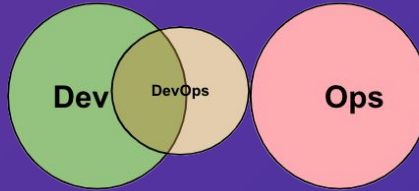
Fully Shared Ops
Responsibilities



DevOps
with Expiry date



DevOps
Evangelist Team



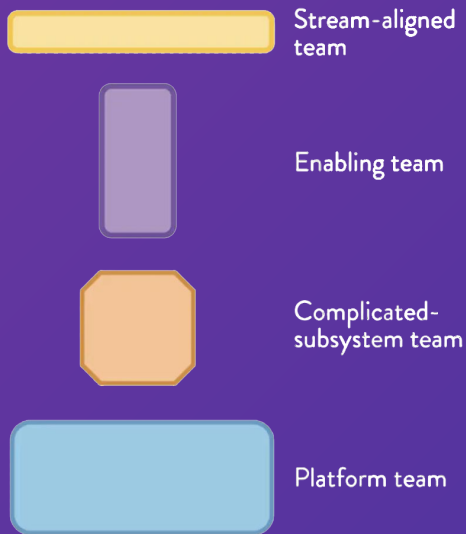
Container-Driven
Collaboration

How will security interact?

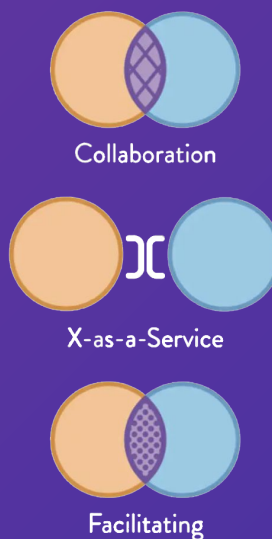
Different topologies exist ,
some are more efficient than
others but it depends on your
organization's culture.

Team Interaction Modes

Four Team Types

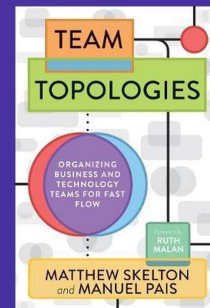


Three Interaction Modes

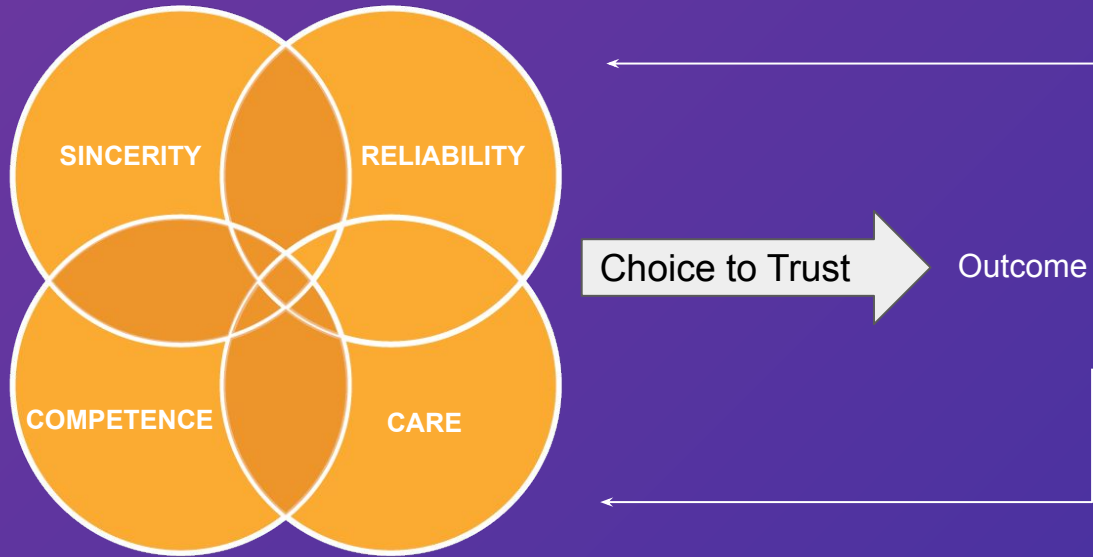


How will your security team collaborate?

Interaction will happen through automation, abstraction **AND** collaboration



Building & Gaining Trust



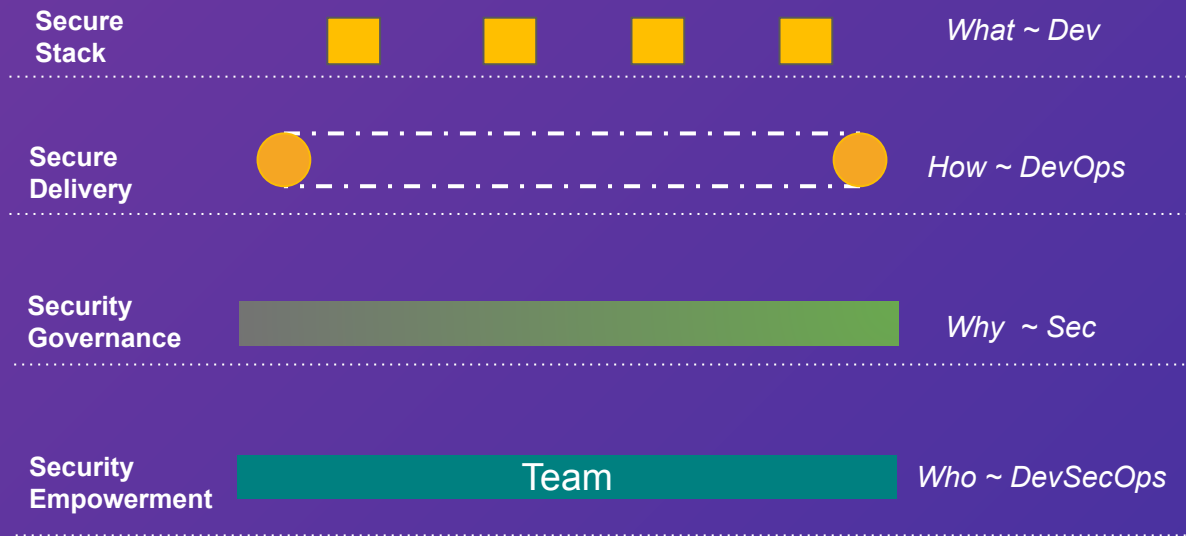
Trust is a Choice

Trust is **Bi-Directional**

Asking for Trust vs
being **Trustworthy**



4 DevSecOps Areas

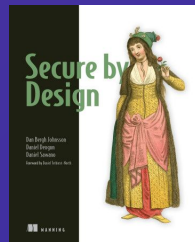
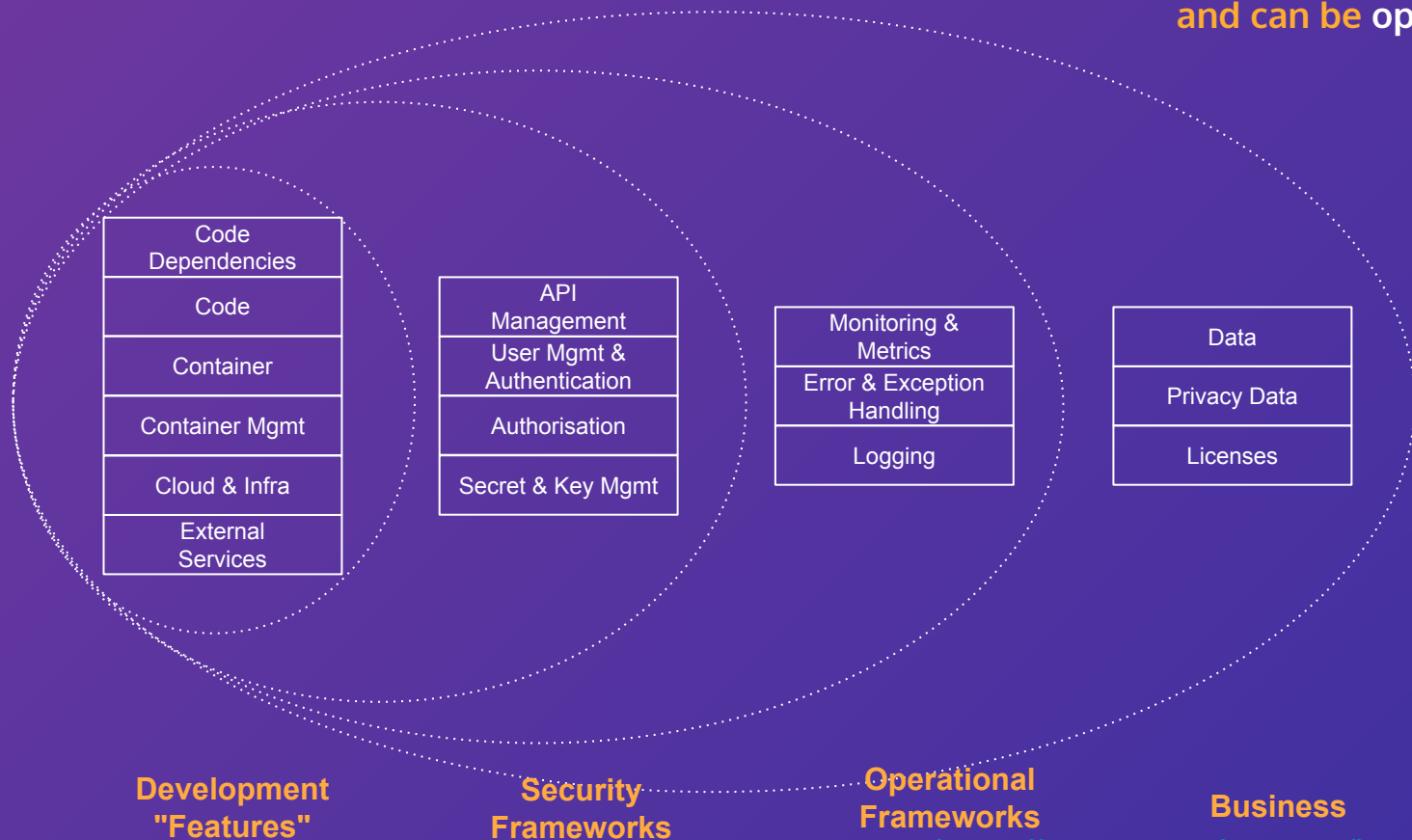


Areas influence each other

Is **what** we are delivering secure?
Is **how** we are delivering it secure?
Do we understand **why** we are securing it?
Do we trust **who** is delivering it ?

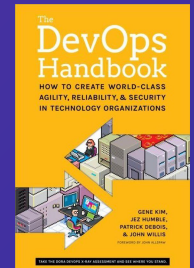
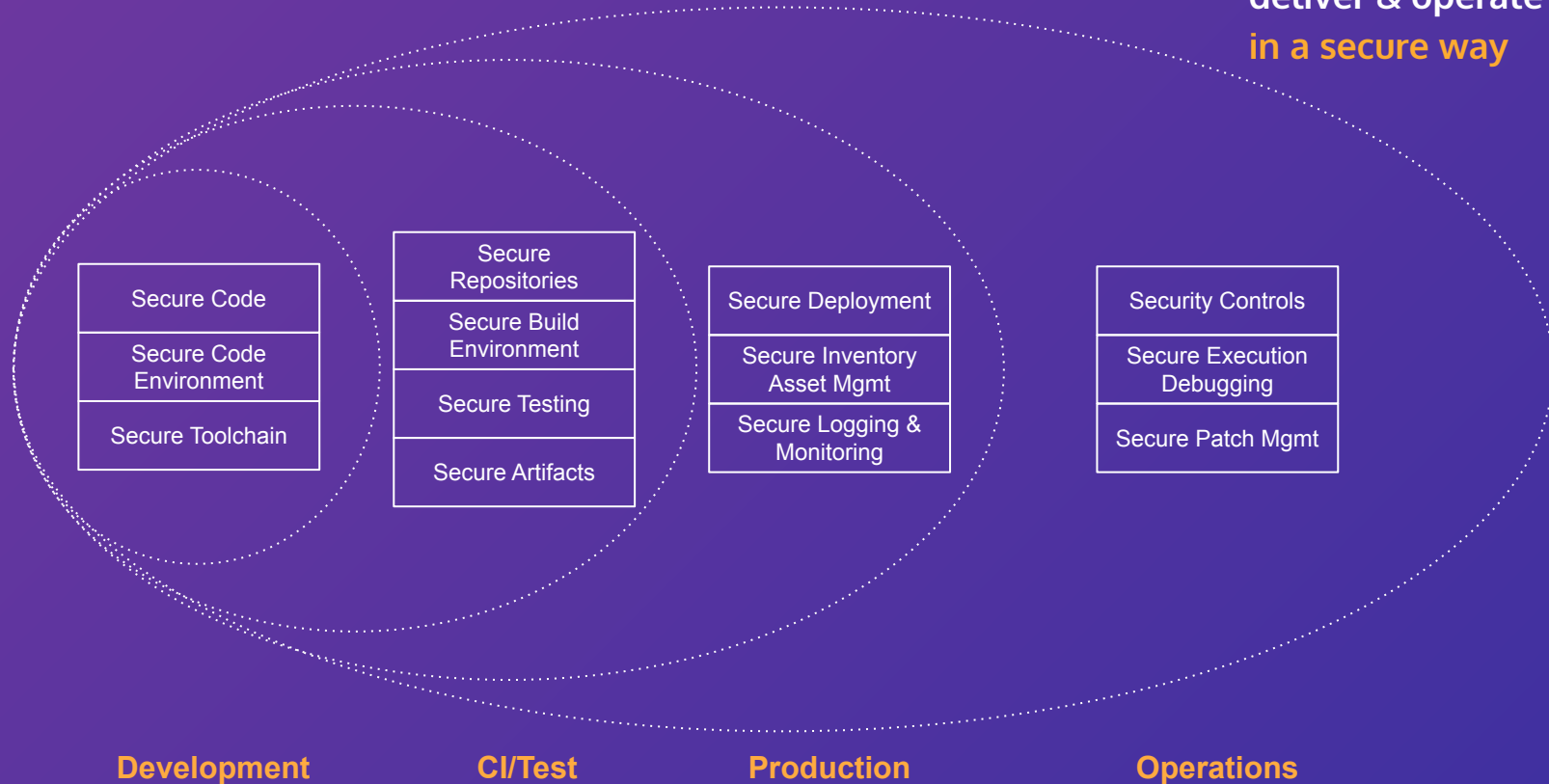
Secure Stack

As a developer we want to make sure that the application is secure and can be operated securely.



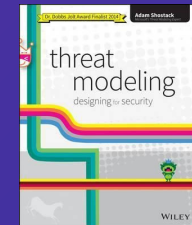
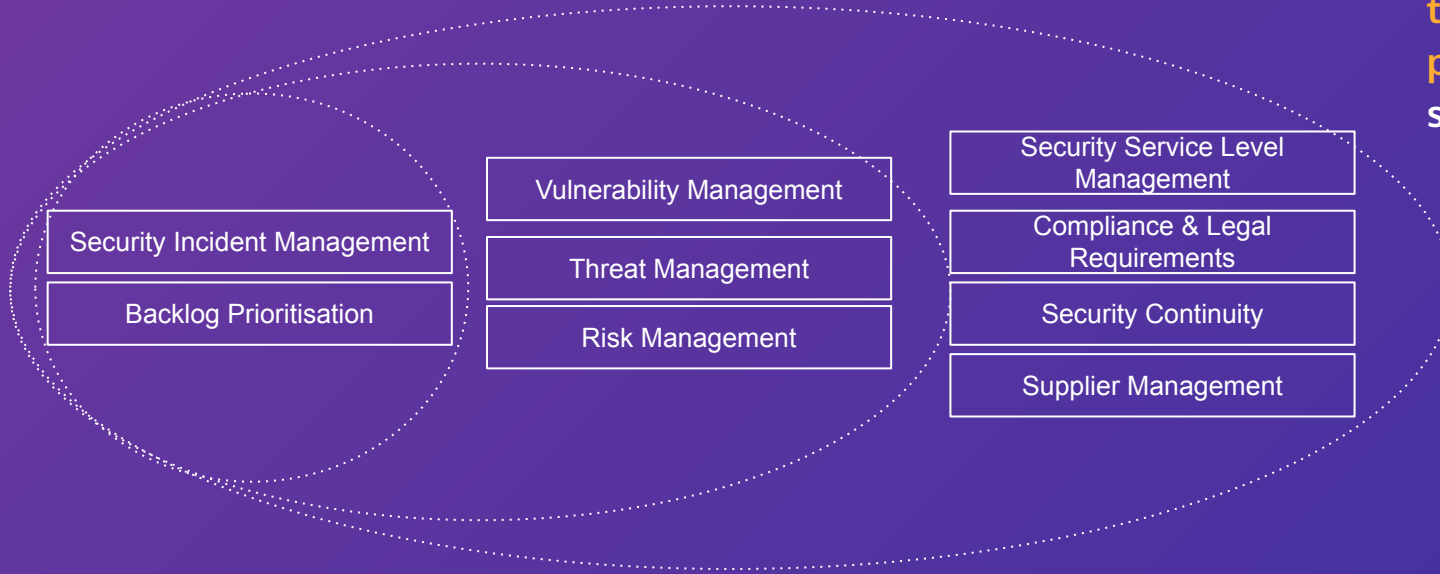
Secure Delivery

As a developer we want to make sure we can build, deliver & operate the service in a secure way



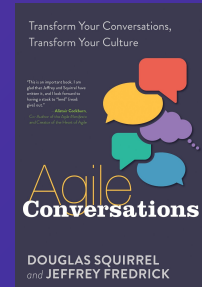
Secure Governance

As a developer we want
to participate in the
processes for managing
security better

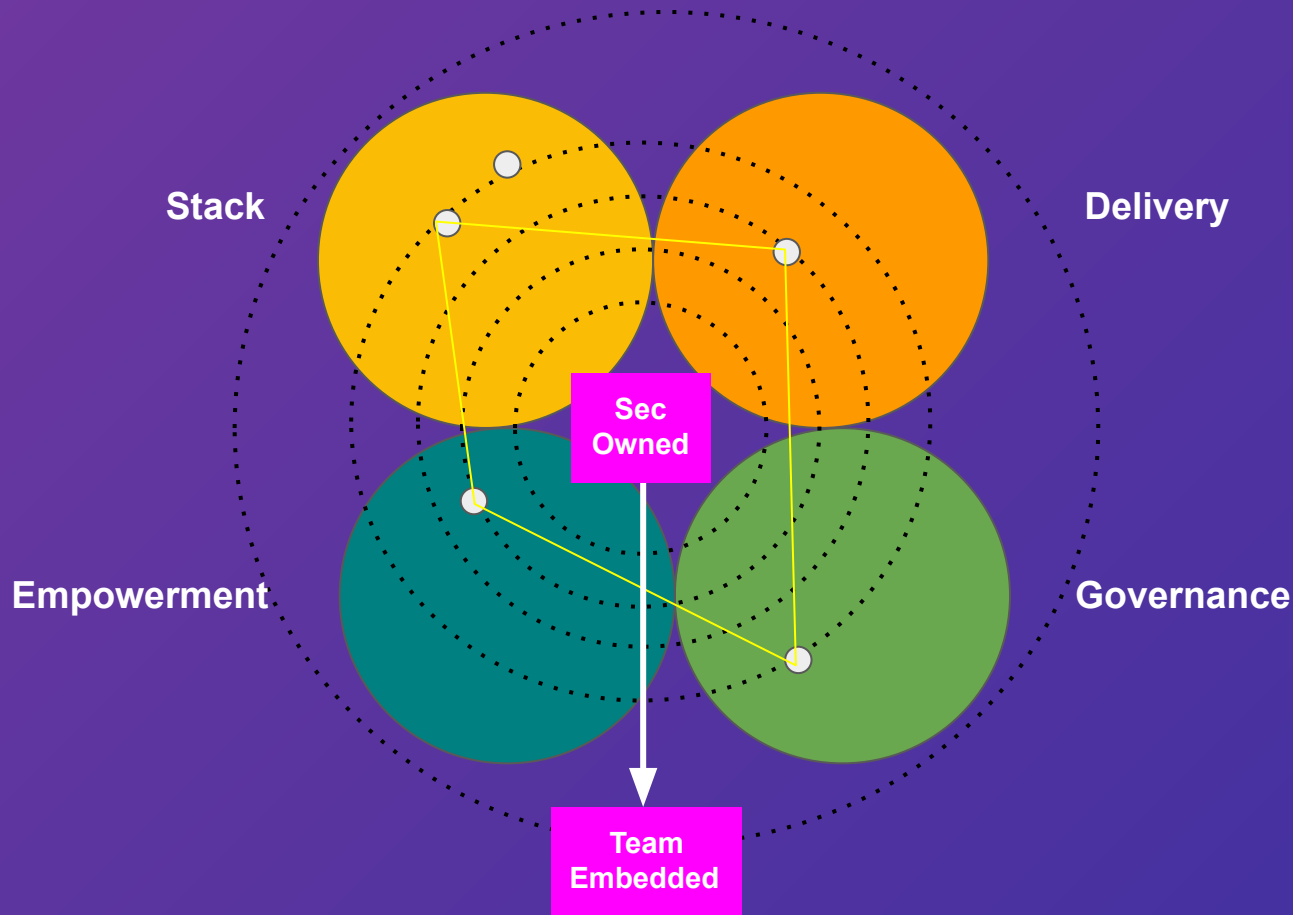


Secure Empowerment

As a developer we want to
take ownership of the
security of our application



DevSecOps Inspiration

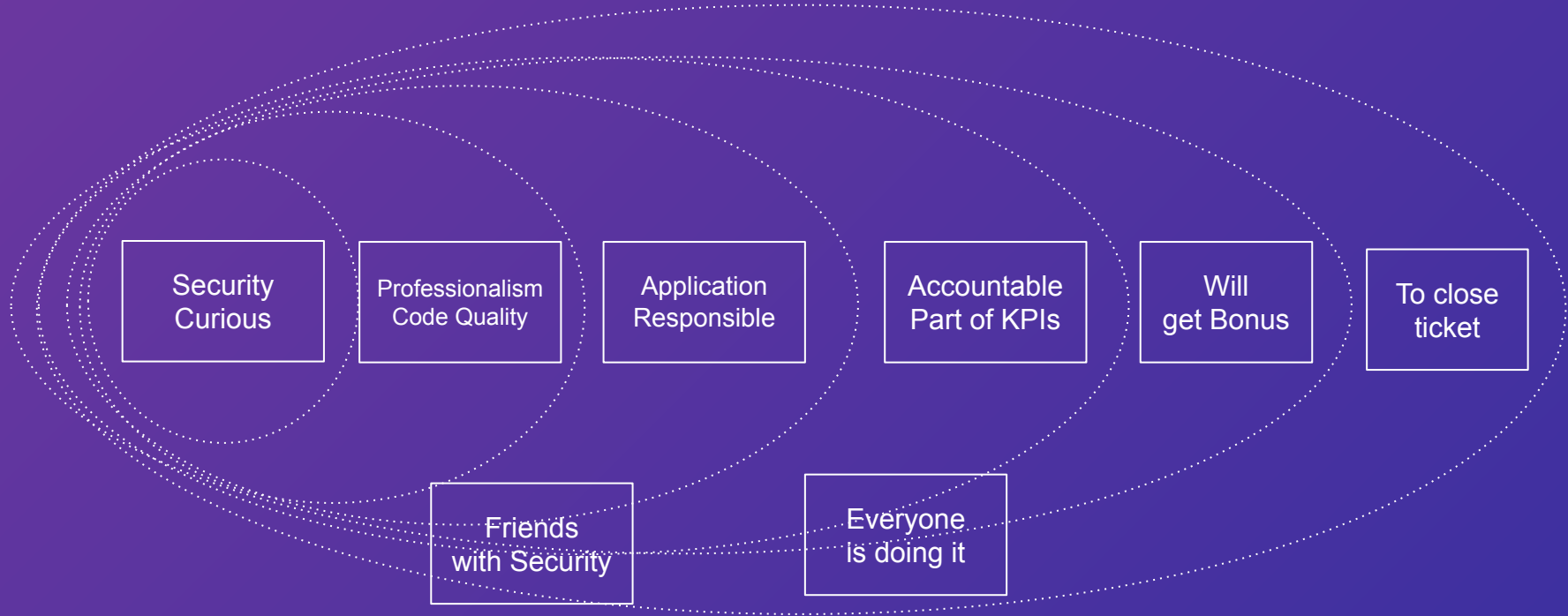


Level up each of the aspects gradually - they all influence the progress of the ownership handover

Developer Security Motivation

Inspiration is not enough

"It's good for business is rarely a personal motivation"

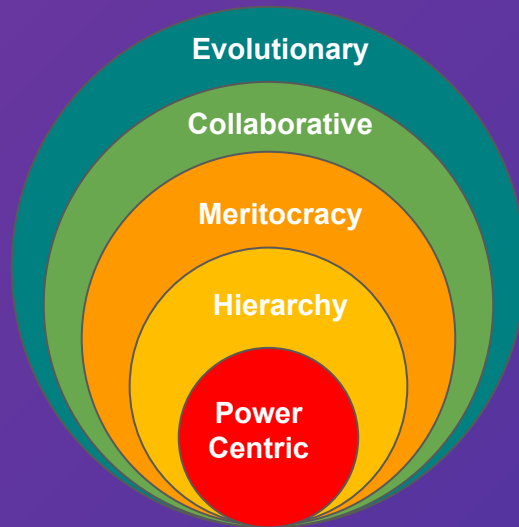


I want to
(broad interest)

They want
different things

I have to
(narrow interest)

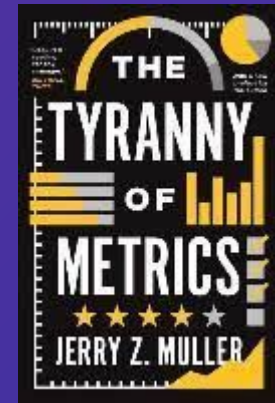
Paradoxes



Autonomy - Meaning
Empower - Customer Centric
Measure - Scientific & KPIs
Automation - Order & Stability
Command & Control

You are never done

Each of these improvements will be countered by a paradox. You will need to keep investing.



<https://www.amazon.com/Tyranny-Metrics-Jerry-Z-Muller/dp/0691174954>

Tools & Culture



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Love to hear your feedback!

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#ThinkingTogether