

AI DevSecOps?

DevSecOps AI?

Dev AI SecOps?

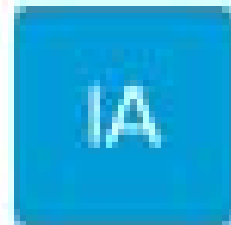
DevSec AI Ops?



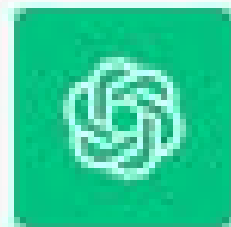
# Where to fit AI in Dev-Sec-Ops?

Irfaan Santoe

ISACA Risk Event 2023



Where to fit AI in DevSecOps?



Integrating AI into DevSecOps involves strategically placing AI technologies at various stages of the software development lifecycle to enhance security practices. Here's a breakdown of where AI can be incorporated in DevSecOps:





If the only tool you have  
is a hammer you tend to  
see every problem as a nail

- Abraham



It's important to note that the integration of AI into DevSecOps is not a one-size-fits-all approach. Organizations should carefully assess their specific needs, existing processes, and infrastructure to determine where AI can provide the most value in enhancing security measures while aligning with their development workflows.



*"Give me six hours to chop down a tree  
and I will spend the first four  
sharpening the axe."*

*- Abraham Lincoln*

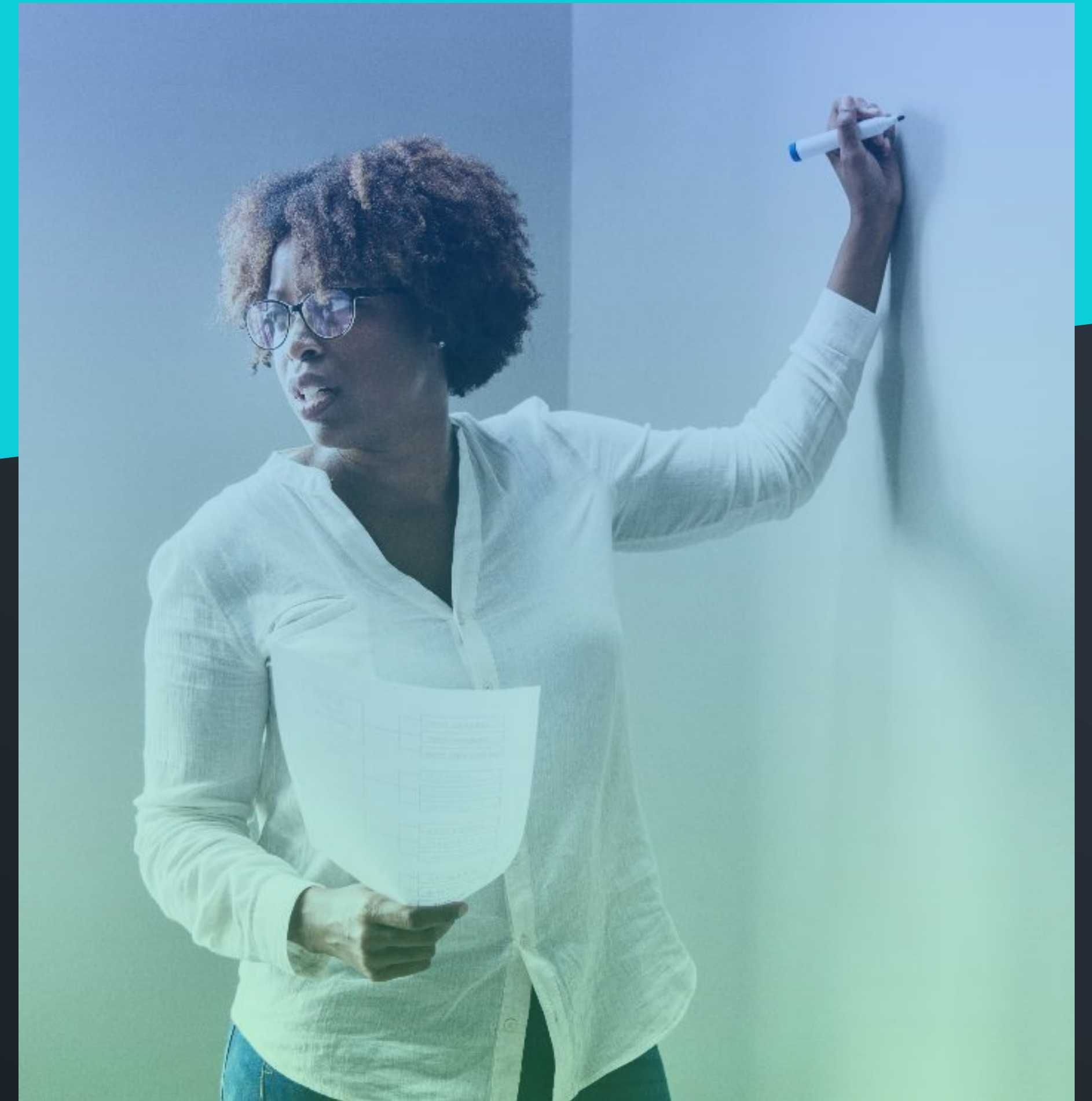




# Agenda



1. Intro
2. Setting the Scene
3. How does AI fit here?
4. Closing & QA





# About Me



Profile: [linkedin.com/in/irfaansantoe/](https://www.linkedin.com/in/irfaansantoe/)

- CISO Aegon Netherlands
- OWASP Netherlands Chapter Leader
- Author & Public Speaker
- Past Experiences:
  - < Security Lead VGZ >
  - < CISO Wolters Kluwer Europe >
  - < CISO Leadership ABN AMRO >
  - < Manager Cyber Security Deloitte >
- Education:
  - < MSc. Computer Science with BSc. in AI >
  - < Executive Master Internal Auditing >



devon

## THE CISO'S GUIDE FOR IMPLEMENTING DEVSECOPS IN THE ENTERPRISE

IRFAAN SANTOE  
RAHUL SAH  
MARKUS VAN DUJN



DevSecOps Visions from European  
Information Security Leaders



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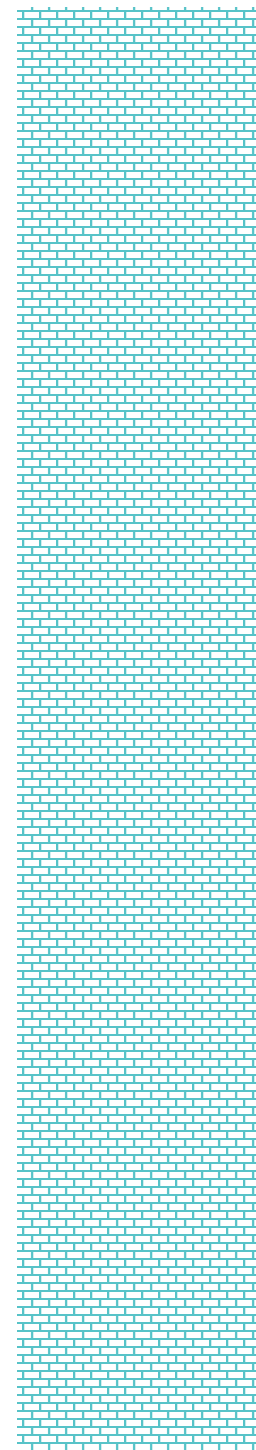
# Why DevOps? – Dev vs Ops

David is a DEVELOper!



David wants to maximize **CHANGE**

Wall of  
Confusion



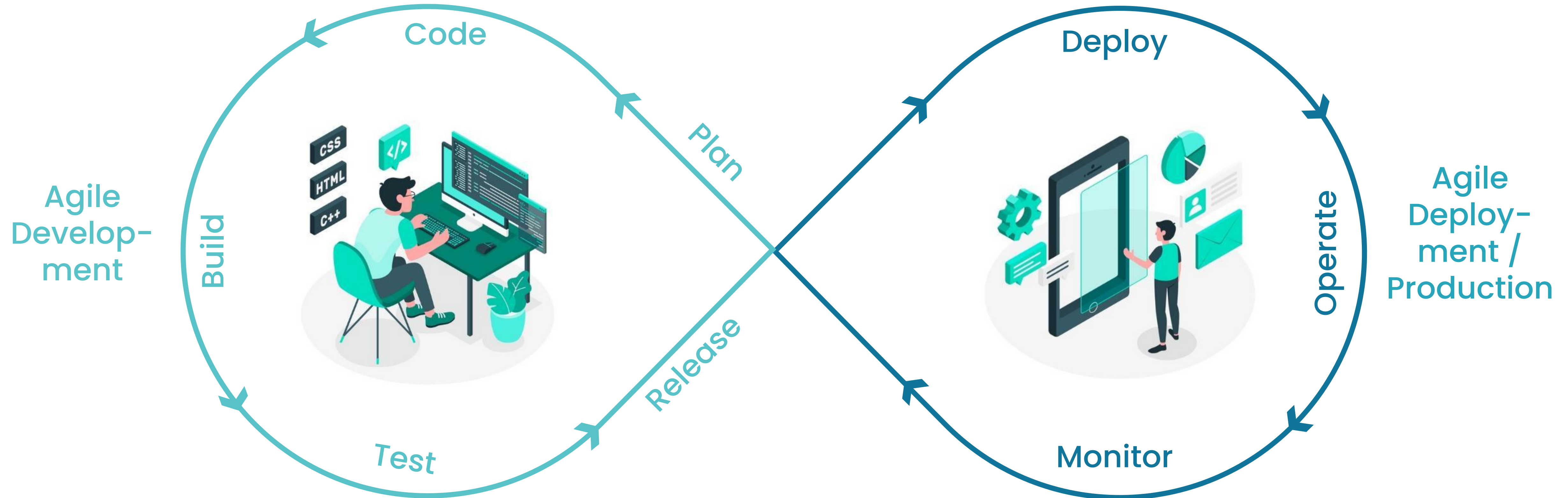
Peter is an Operator!



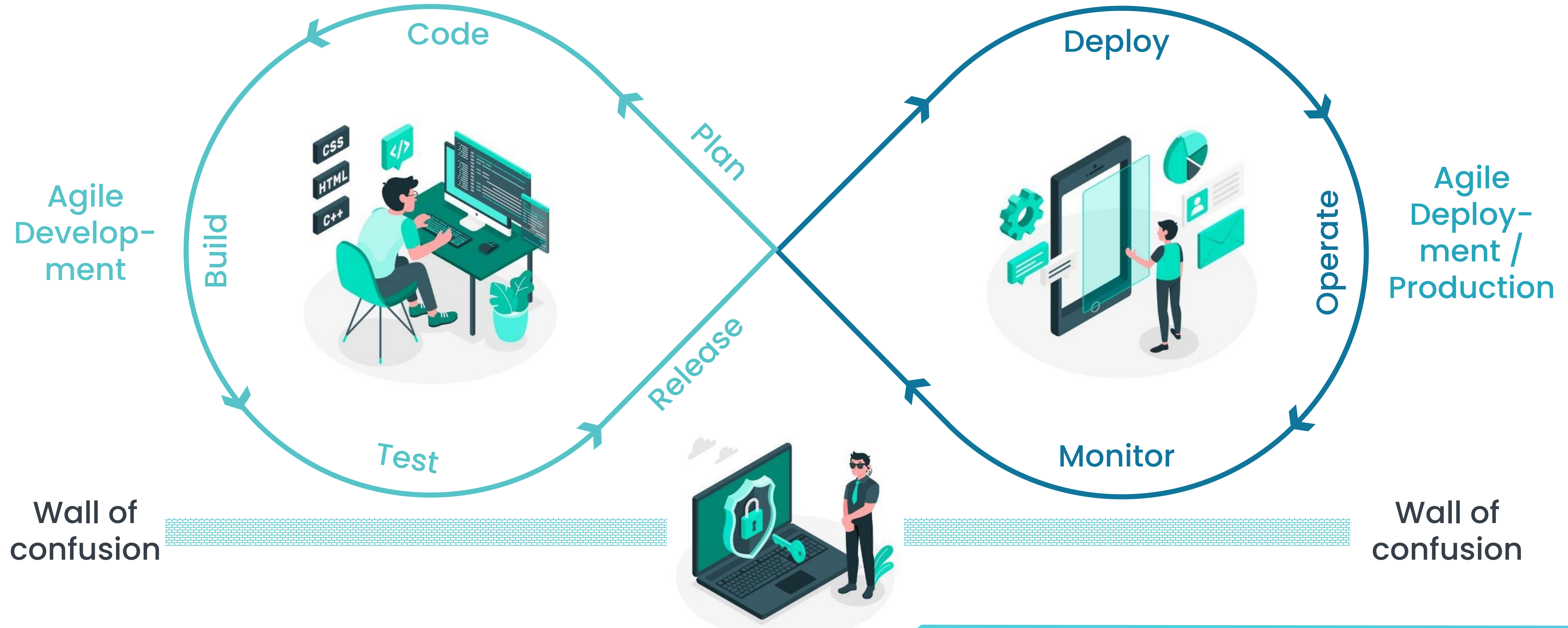
Peter wants to optimize **STABILITY**



# DevOps

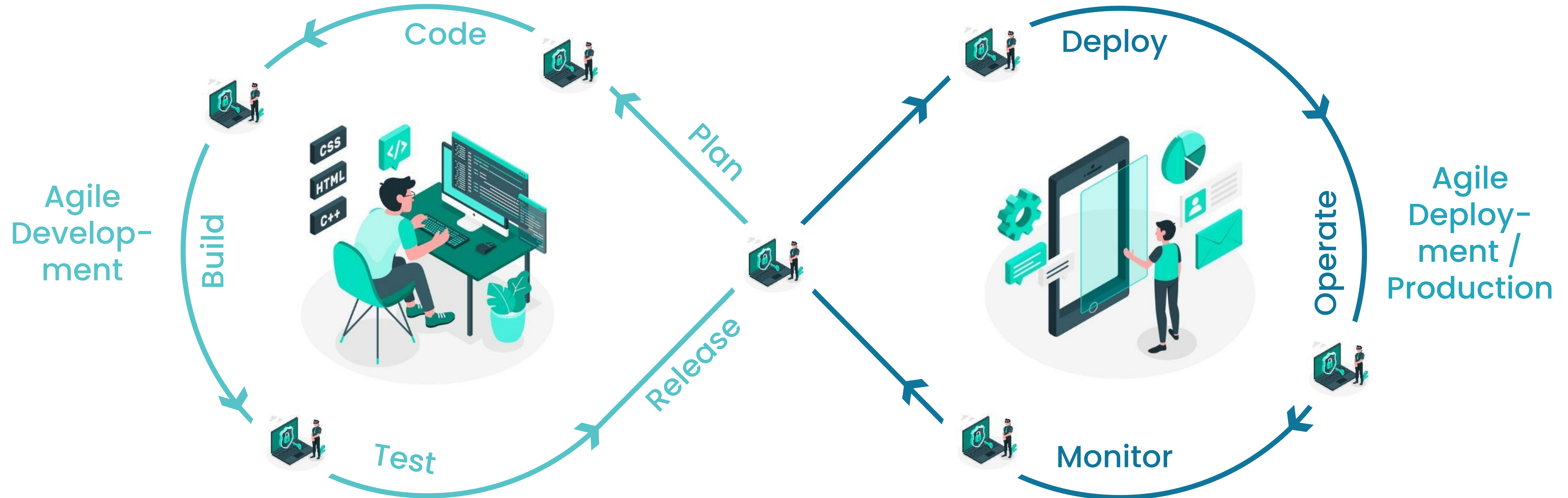


# DevOps vs Security

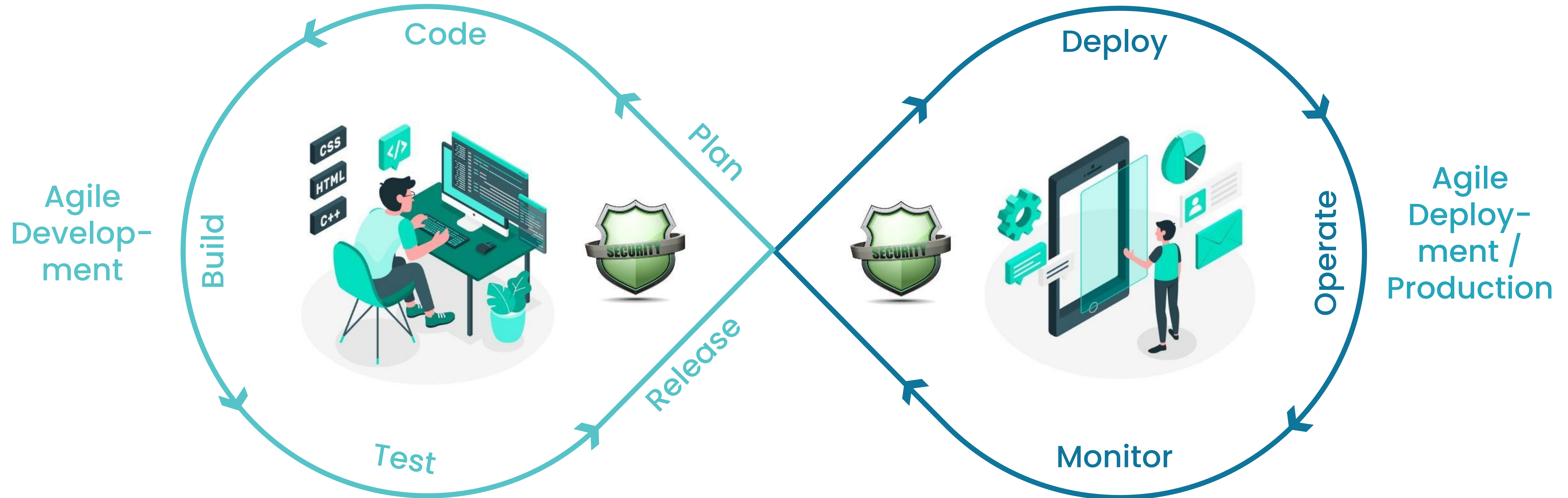




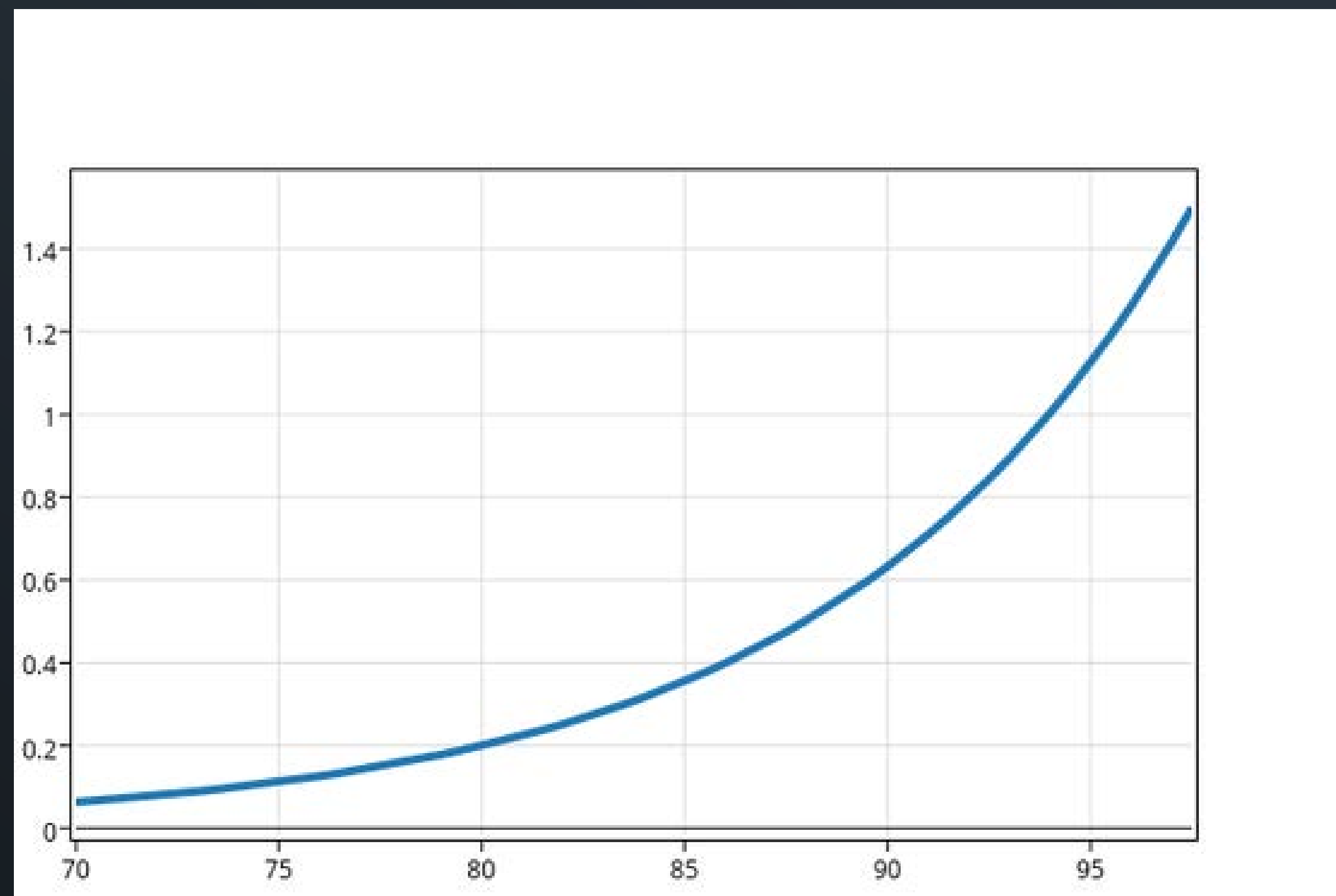
# DevSecOps



# DevOps

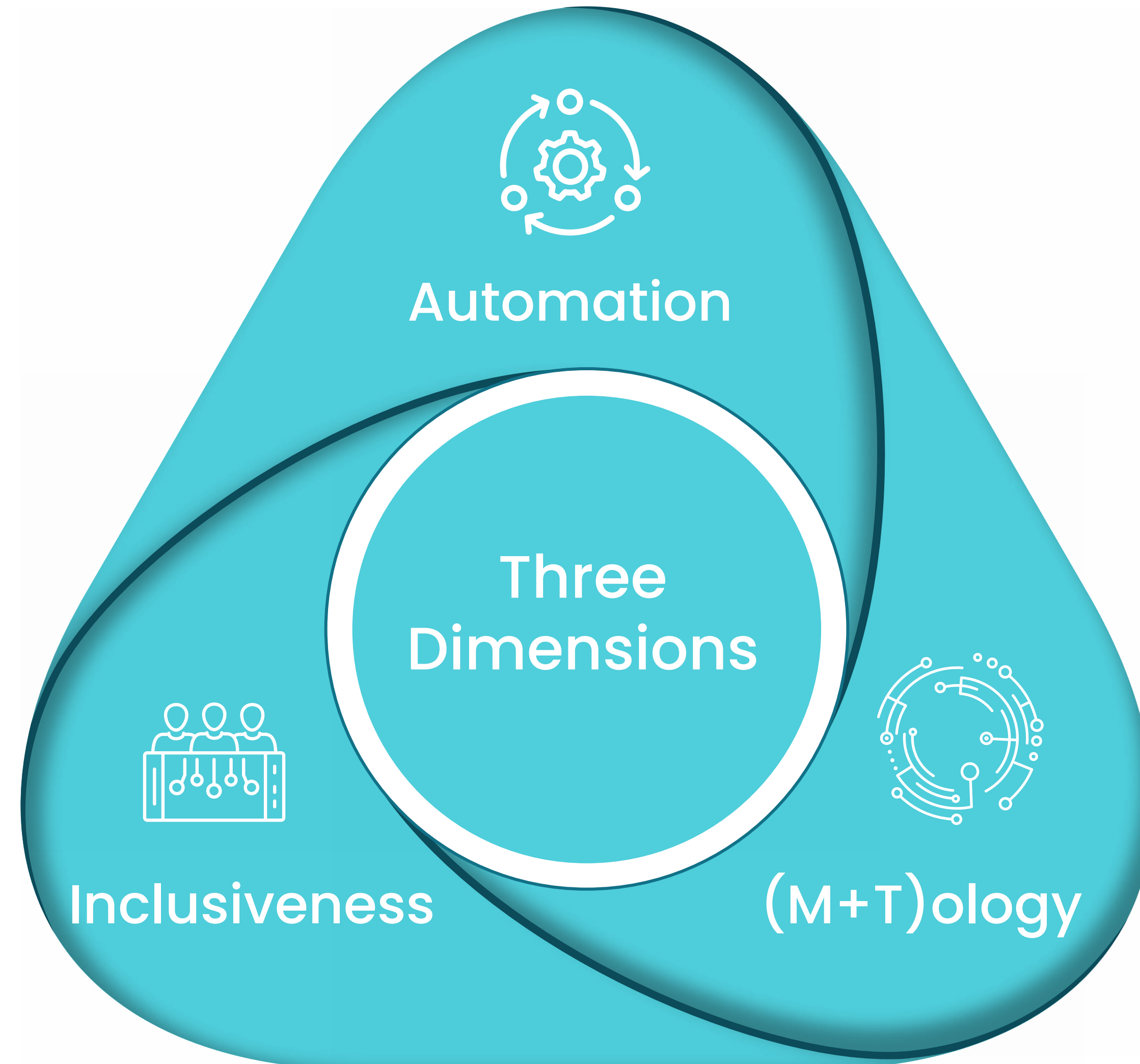






~~Problem~~  
Solution





# Key Insights – Inclusiveness



- Set clear purpose for DevOps and internalize it. Security needs to adopt to that.
- Embrace security. Also as enabler
- Build relationships between teams

- Make security fun & rewarding
- Give trust and be there for them
- Co-create security

- They BUILD it, they RUN it, they SECURE it
- DevOps engineers commitment to educate security and vice versa
- Communicate, Communicate, Communicate



# Key Insights – (M&T) ology



- Look for security opportunities in the new methodologies and embrace
- Experiment with security blueprint, validate and then scale.

- Single pane of glass
- Shift left

- Involve security from the beginning

# Key Insights – Automation



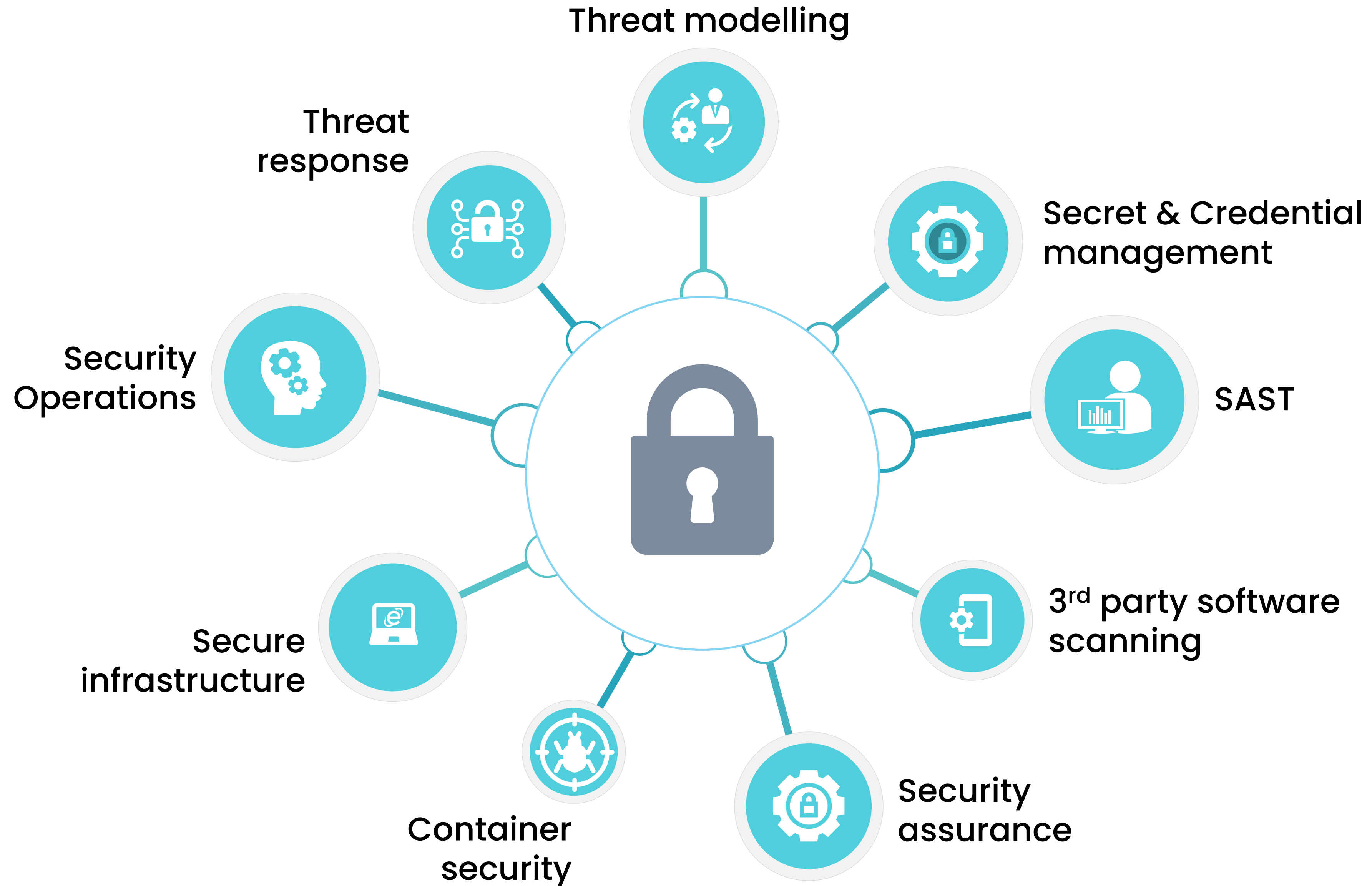
- Push for automation and security metrics aligned to business goals
- Not all at once
- Don't re-invent the wheel
- Empower using AI

- Skill-up
- Scale-up
- Focus on capability instead of tool
- Adopt security to DevOps
- Empower using AI

- Treat security tooling like any other
- Keep asking for feedback
- Empower using AI



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**Q&A**





**Profile:**

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# Thank you

