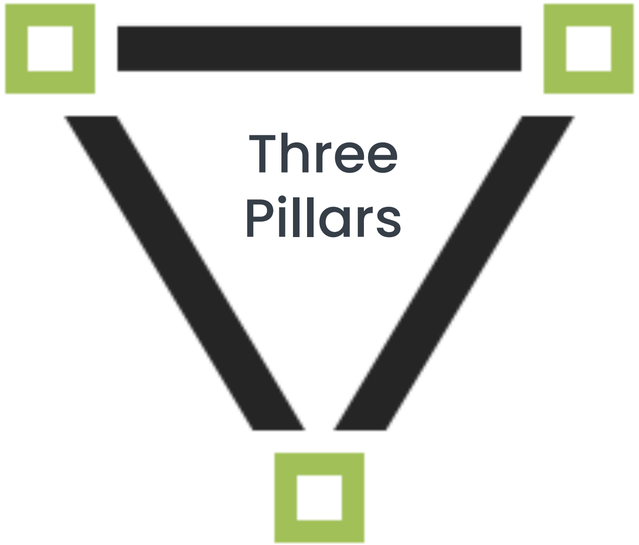
{Shift Left, the right way} - Nirvana of secure DevOps

ISACA 16/03/22

Irfaan Santoe

Outline

DevOps vs DevSecOps



Q&A

DevOps vs DevSecOps

Dev **vs** Ops

David is a DEVeloper!

David wants to maximize **CHANGE**

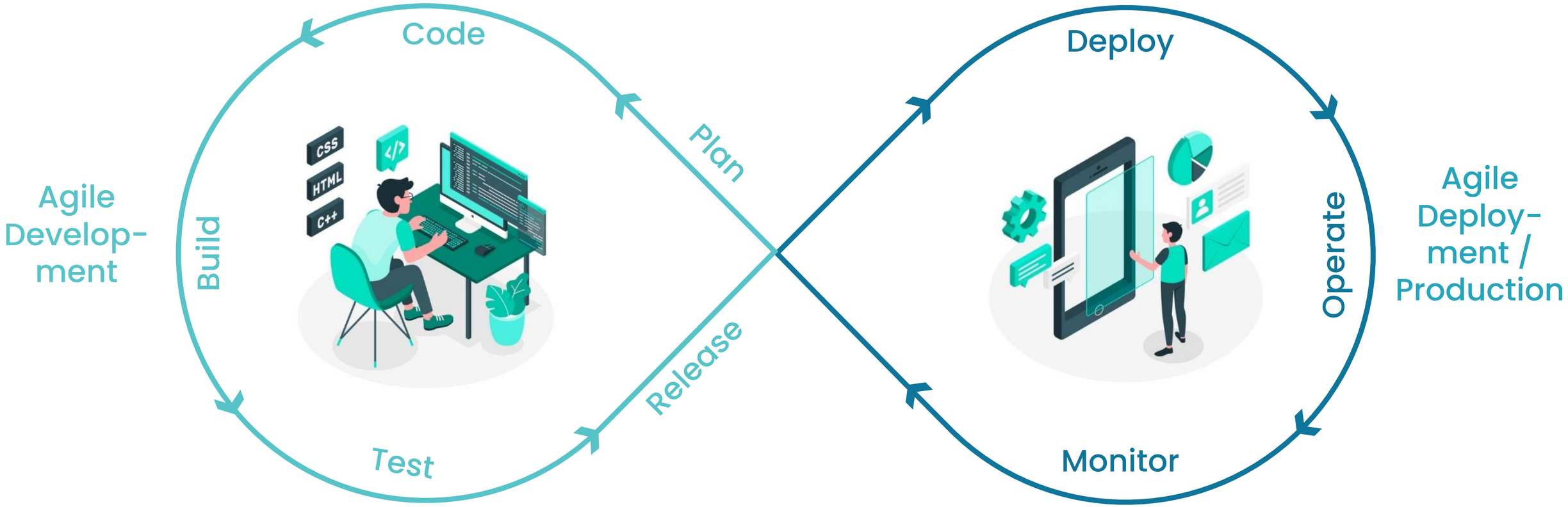
Wall of Confusion

Peter is an Operator!

Peter wants to optimize **STABILITY**

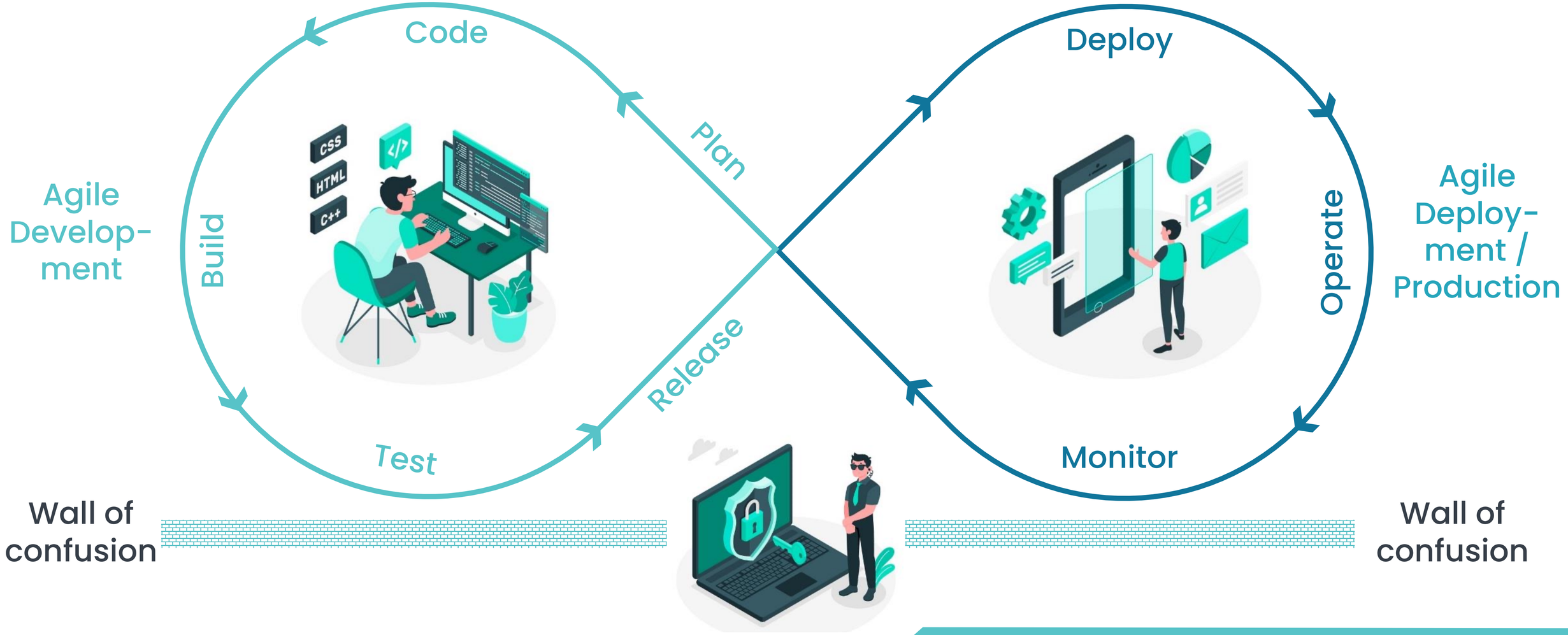
DevOps vs DevSecOps

Dev **vs** Ops => **DevOps**



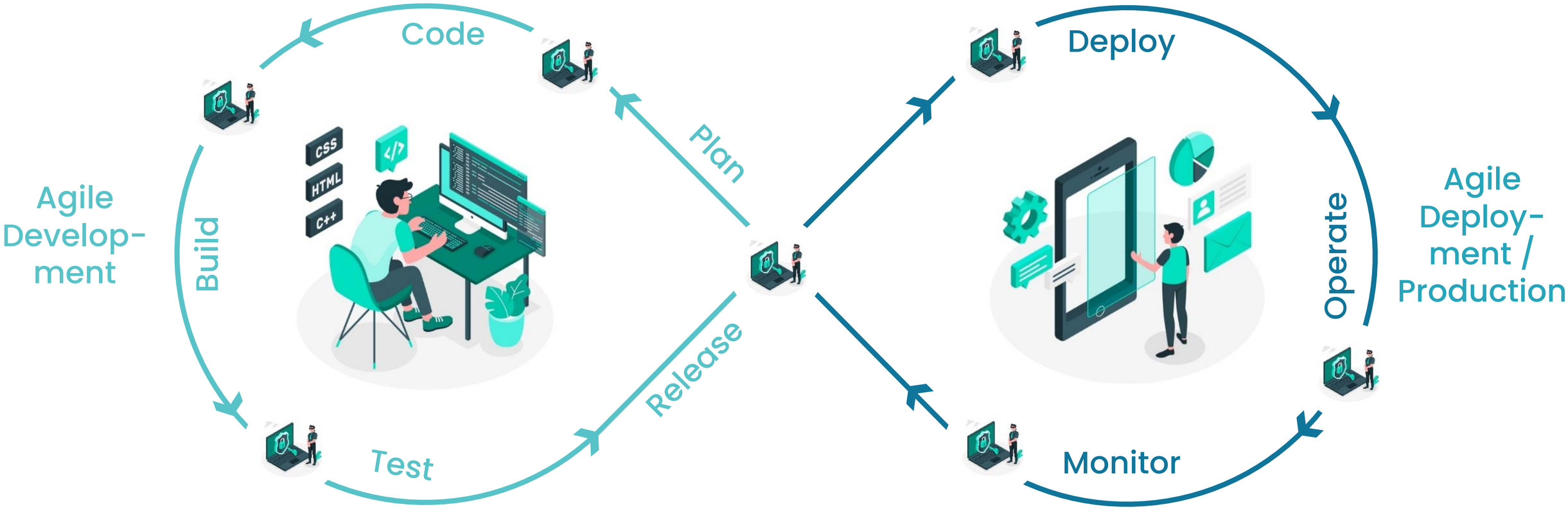
DevOps vs DevSecOps

Dev **vs** Ops => **DevOps**
DevOps **vs** Sec



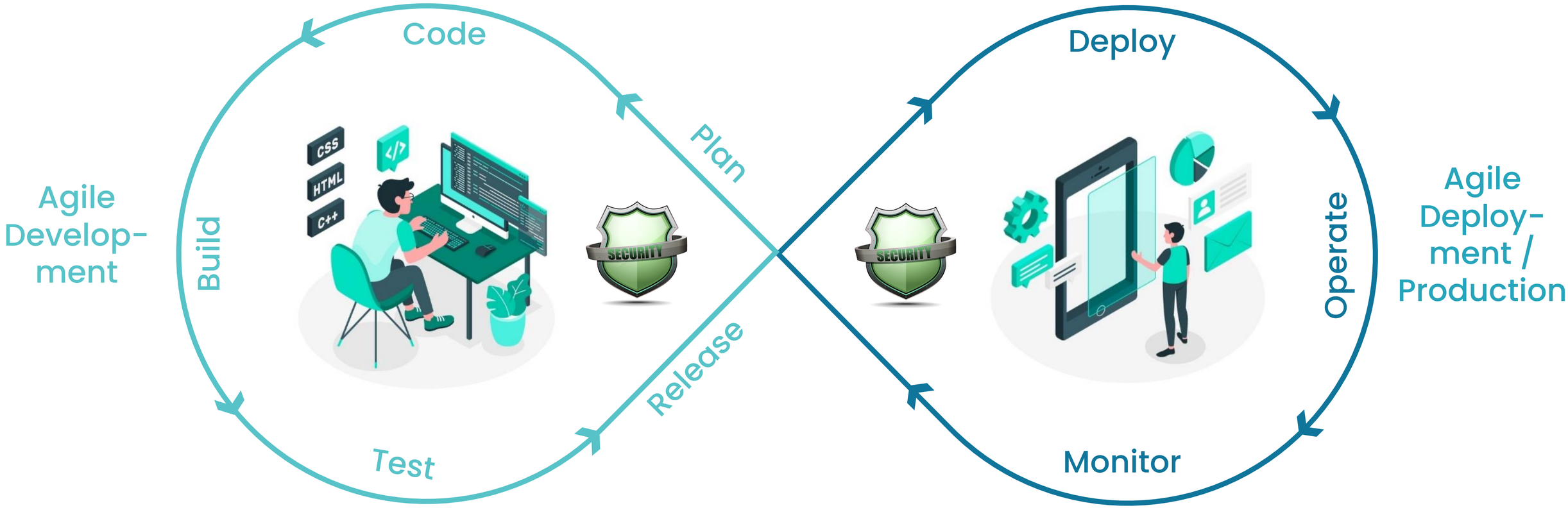
DevOps vs DevSecOps

Dev **vs** Ops => **DevOps**
DevOps **vs** Sec
DevOps **vs** Sec => **DevSecOps**

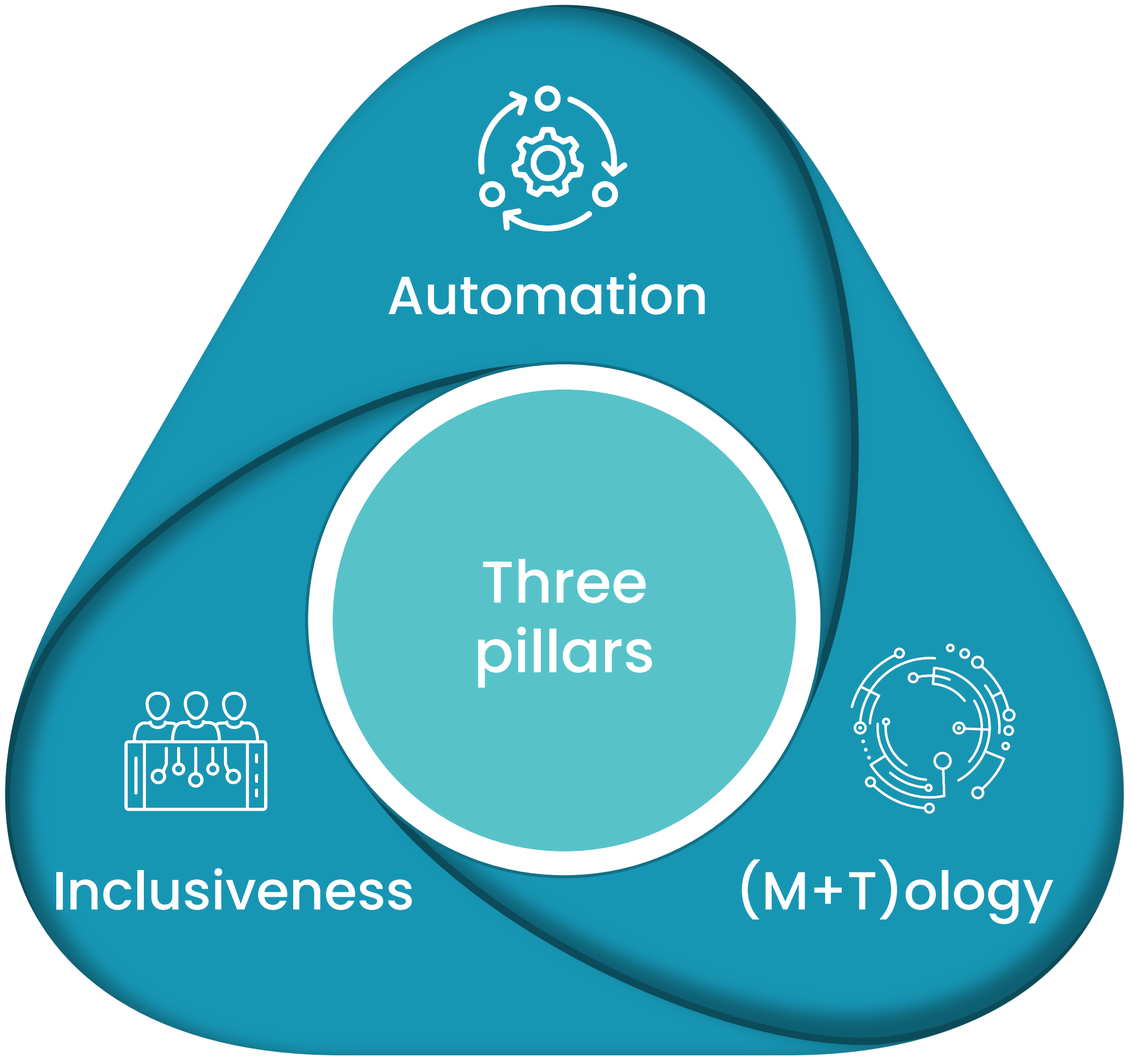


DevOps vs DevSecOps

Dev **vs** Ops => **DevOps**
DevOps **vs** Sec => **DevSecOps**
DevSecOps => **DevOps**

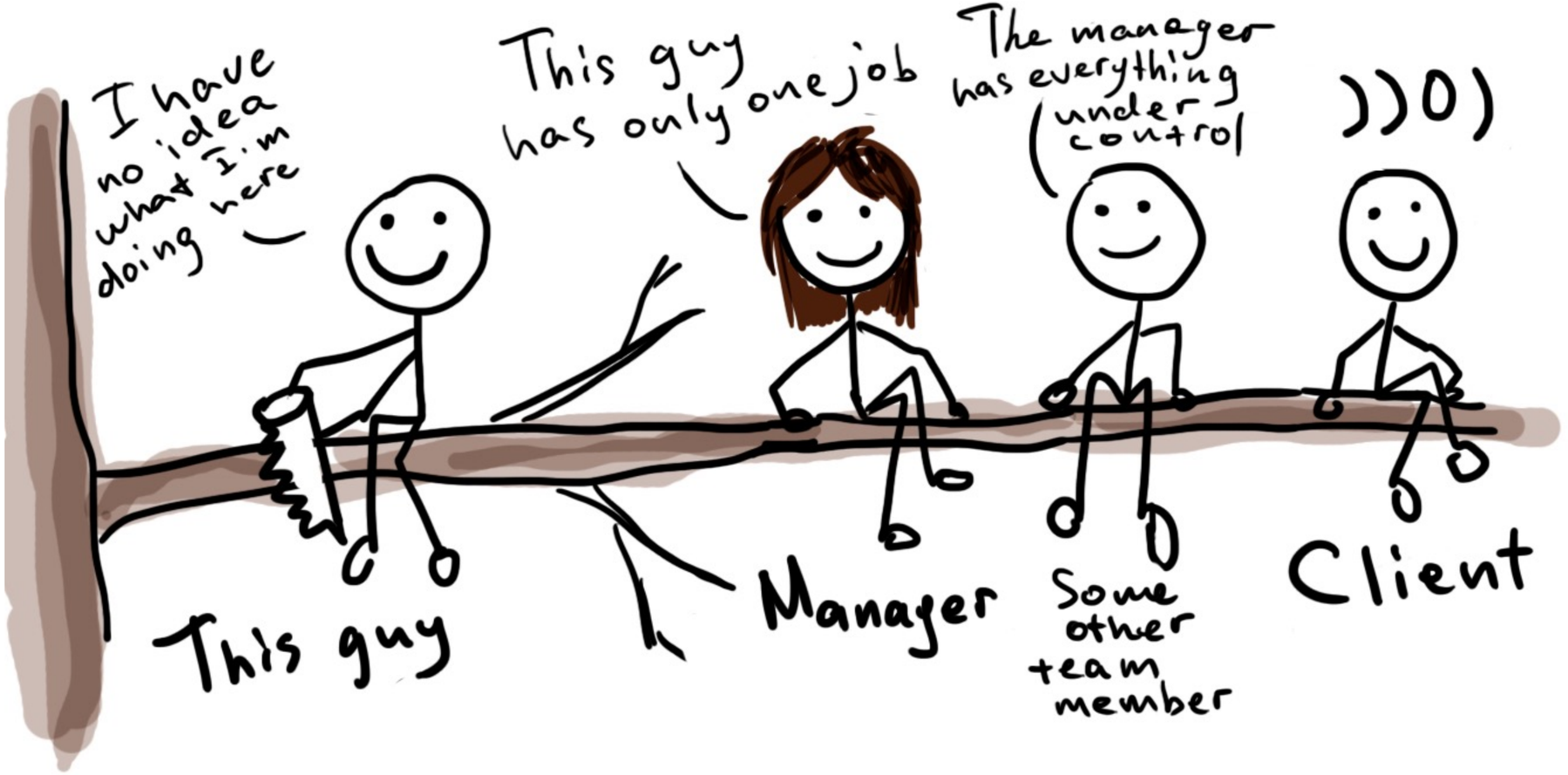


... And Now
Mindfulness


Automation
Three pillars
Inclusiveness
(M+T)ology

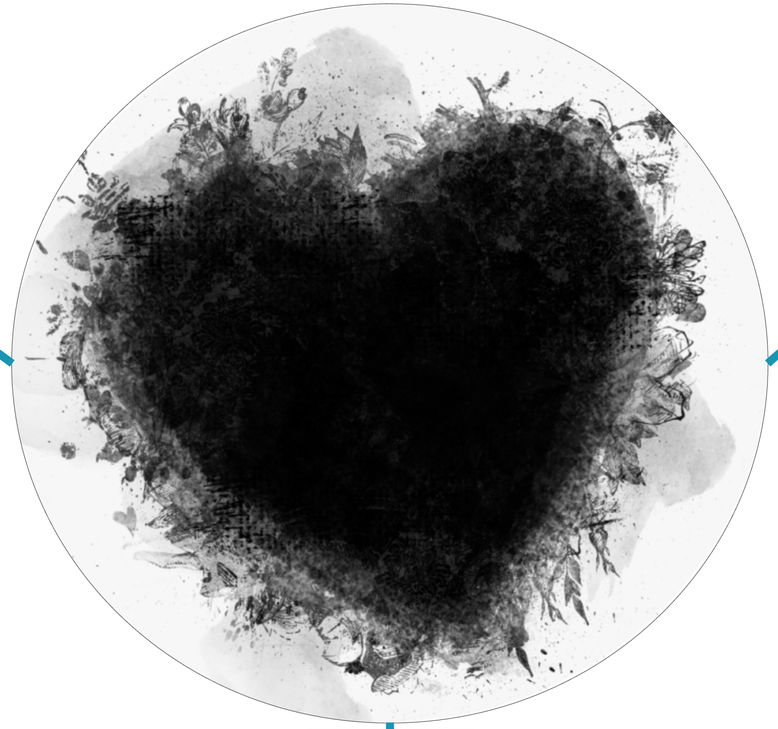
Automation

Threat modelling
Threat response
Secret & Credential management
Security Operations
SAST
Secure infrastructure
3rd party software scanning
Container security
Security assurance


I have no idea what I'm doing here
This guy has only one job
The manager has everything under control
))o)
This guy
Manager
Some other team member
Client

The softer side of automation – what lies at it's Heart?

Close the knowledge and skills GAP

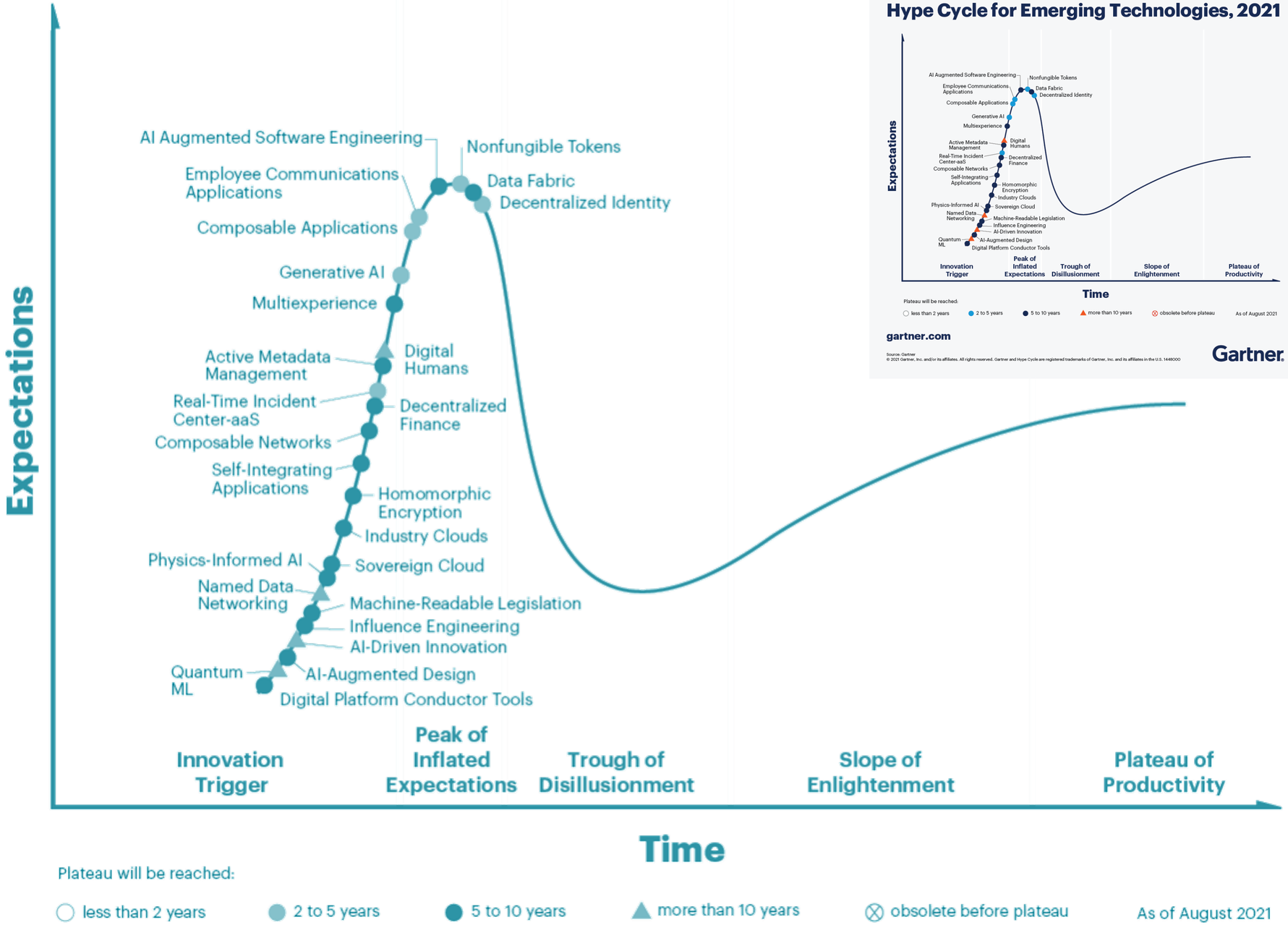


Commitments to make it work & build alliances

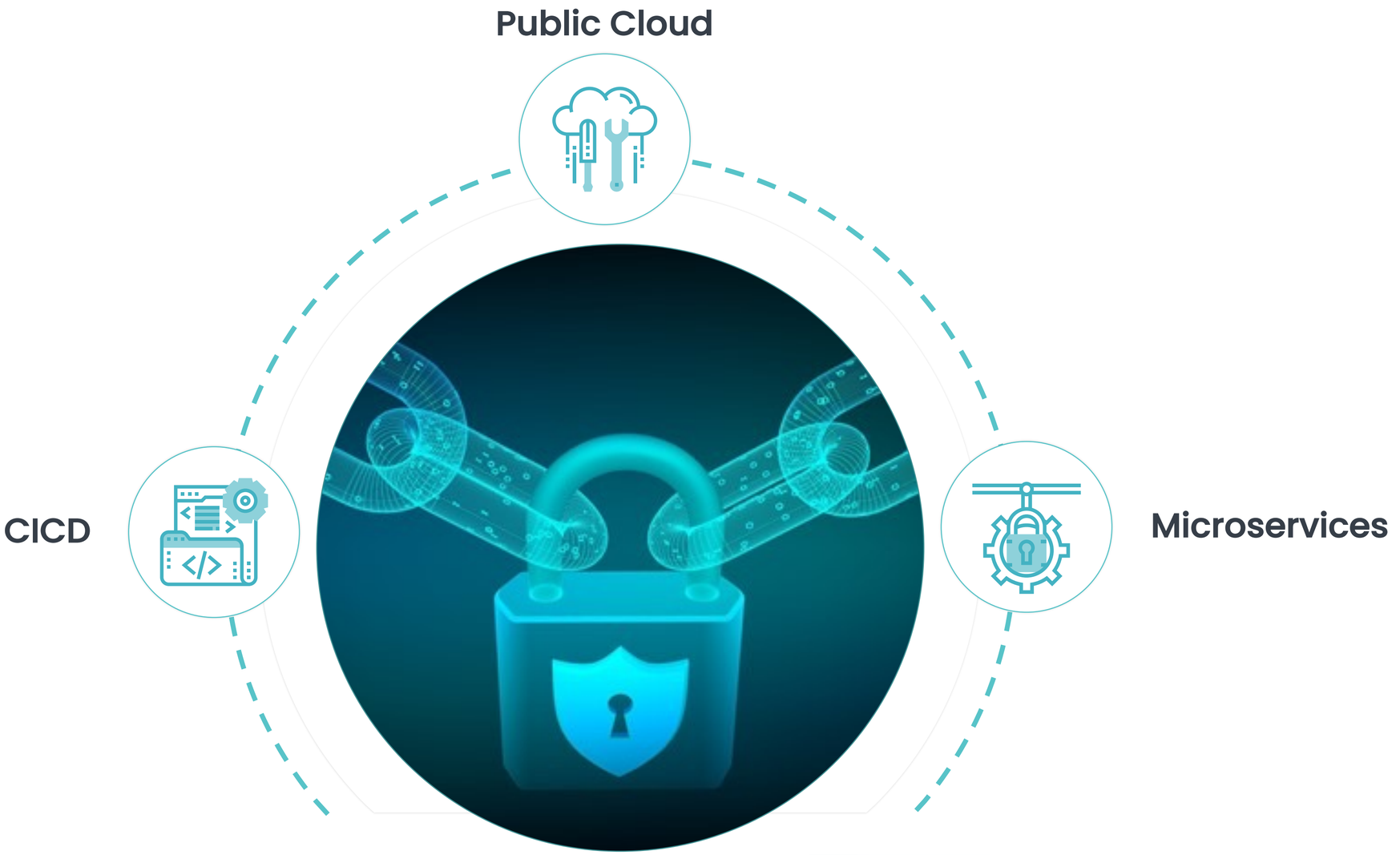
Drive it to be Self-Serviced

(M+T)ology

Hype Cycle for Emerging Technologies, 2021



(M+T)ology



Inclusiveness – the secret sauce

Co-create security

You build it, you run it, you secure it!

Let them go …

So what is next?

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