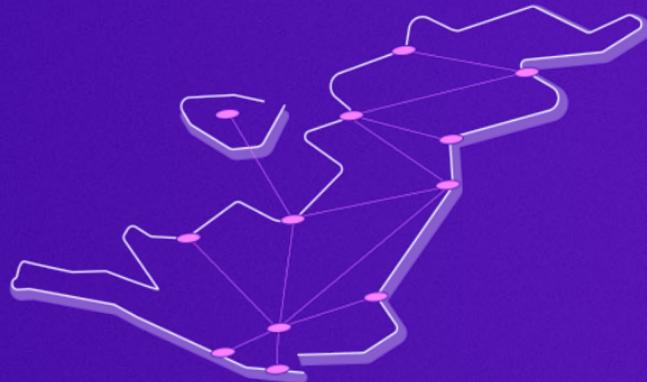




We connect for good

BT is one of the UK's biggest telecommunications and network providers. We've also got a global presence providing customer solutions in 180 countries.



TV | sport | broadband | mobile | enterprise | wholesale | global

“the status quo!”

prologue: Mobile unlimited...

proven delivery model

project based funding for change

programme board

limited resources

long wait times between departments

business as usual!



The announcement..

Chapter 1: Mon 30th November 2020

the **search** for “others”

working interest **groups** (ansible/python)

hearing other **stories**

key **director** level advocate arrives

the mail that started it all (for me)

moment of change....



The Squad & THE book...

Chapter 2 : Wed 16th December 2020

new cross functional “squad”

unlearn and learn

the phoenix project!

ease in to agile and scrum

aha! moments (we had our Eric!)



The early sprints...

Chapter 3 : Friday 15th January 2021

end of our 1st **sprint**

establish our **collaboration tooling**

exposure to other **agile** areas

own **sandpit** area to experiment



the **journey** had begun!



Growing the Mindset

Chapter 4: Feb-May 2021

invited others to read more

internal sharing and discussion

generate groundswell

be inspired

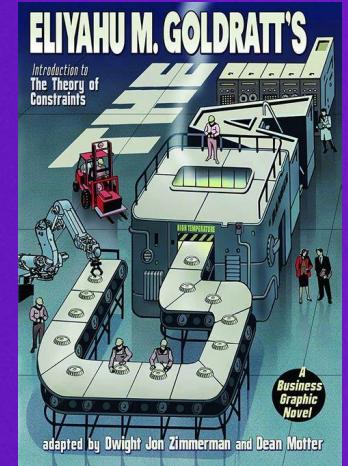
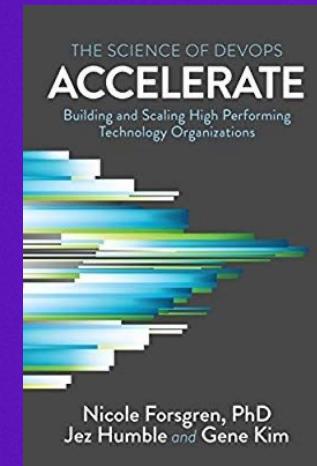
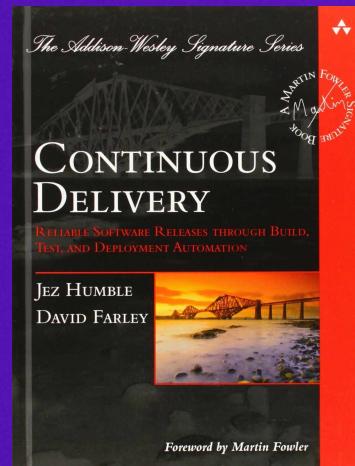
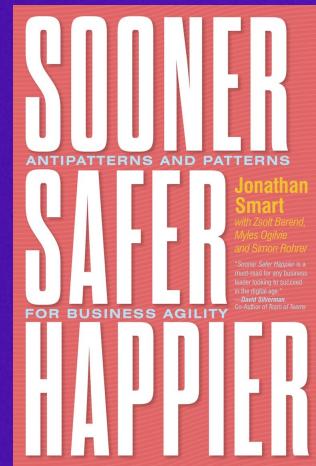
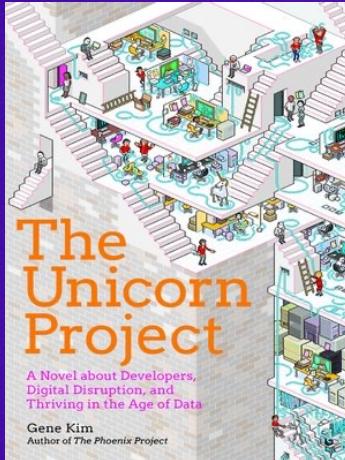
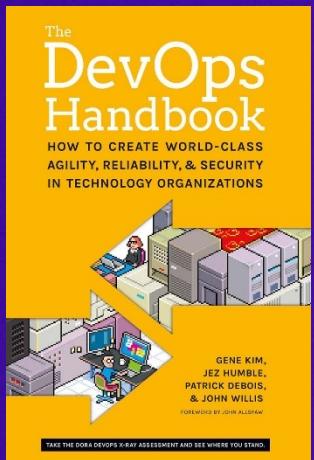
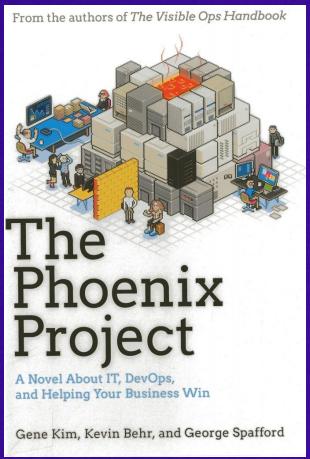
psychological safety

rapid learning by doing!



BT Classification: Public

Influences and Inspirations (learn)



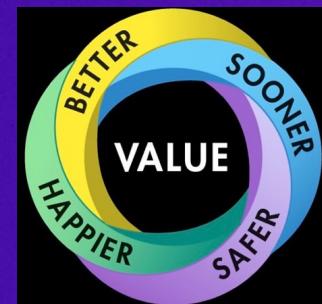
Opening our eyes..



UK national DevOps



GitLab
workshops/services



#BVSSH
community



The Big K!
Kedhar Matavalam



Jon Smart
Anti Patterns (C.R.A.P)



Bryan Finster
#SADMF
minimumcd.org



Dave Farley
Continual Delivery



mobile cloud core

Chapter 5: The project 2018-2023..

vendor swap out

cloud native packet core

ETSI NVF CSAR

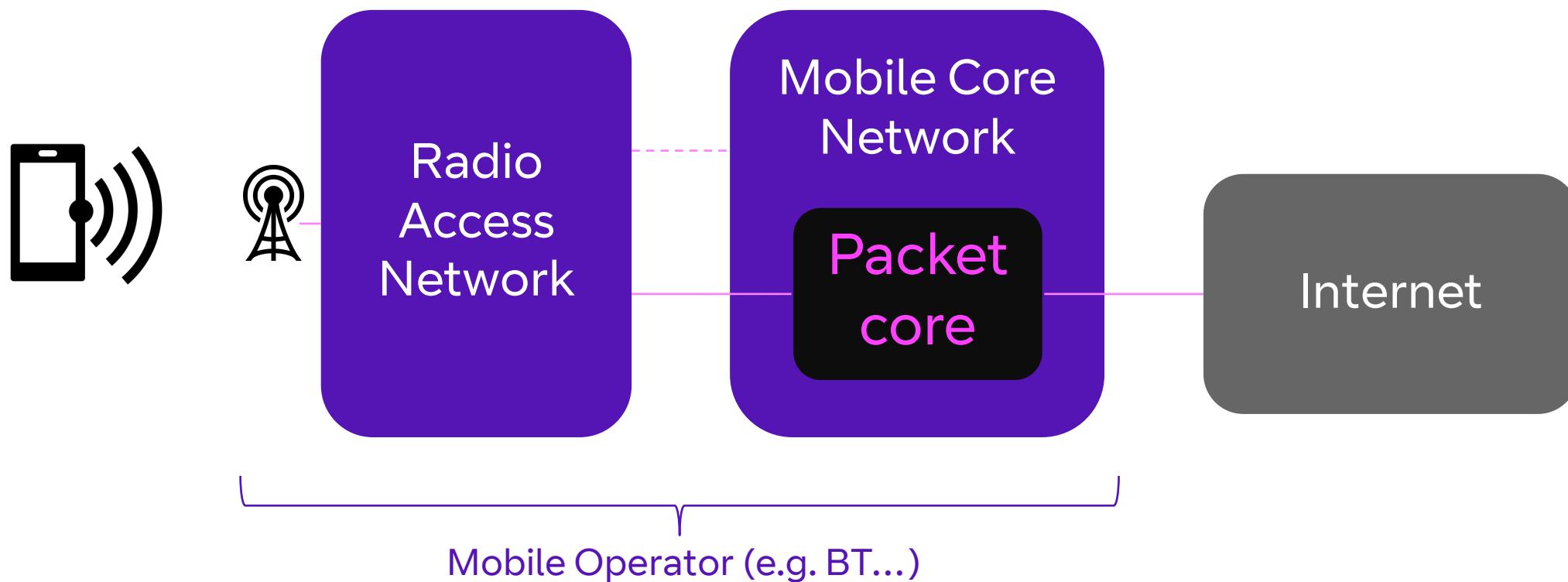
multi-vendor continual delivery

project to products



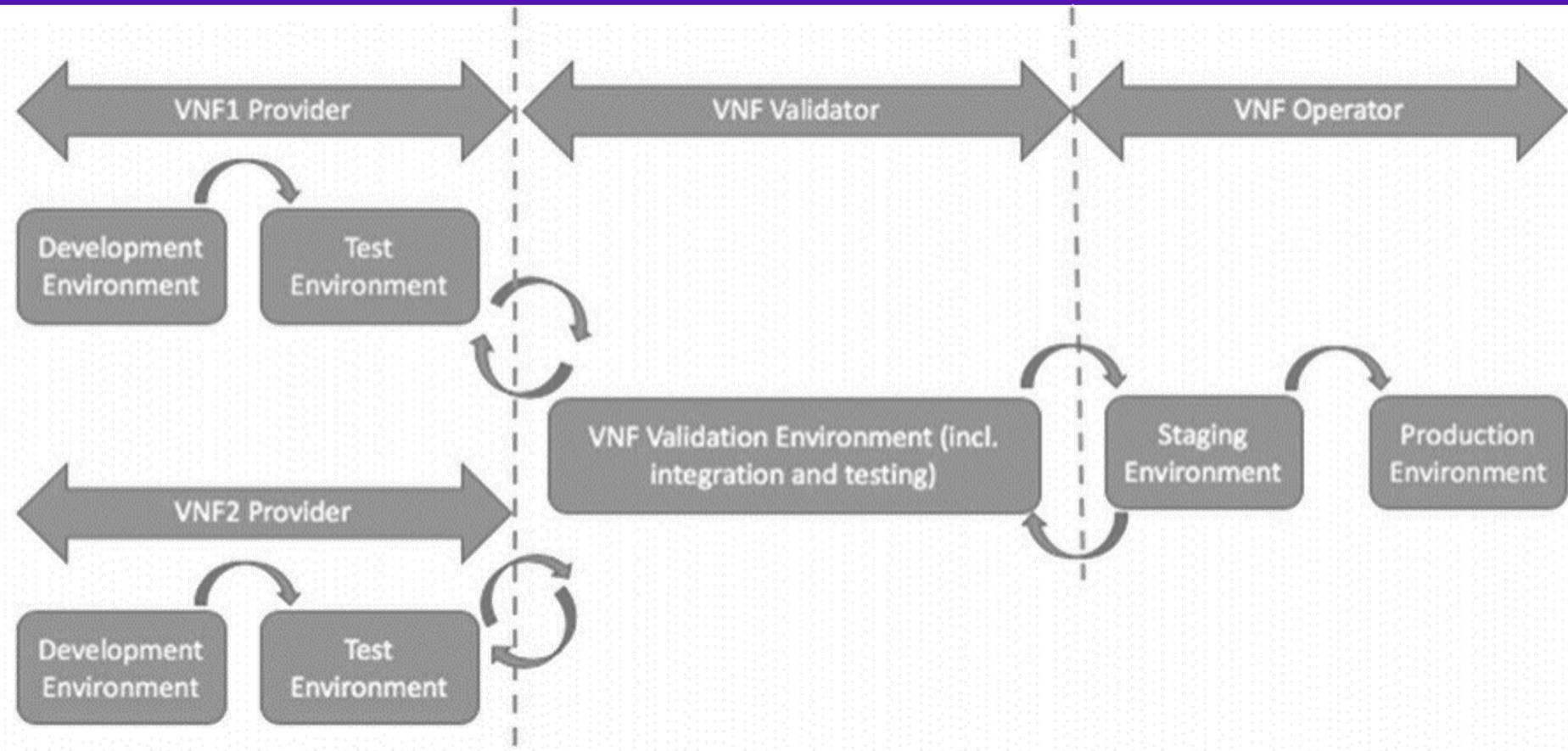


What is a Packet Core?





ETSI vendor delivery pipelines (CICD)

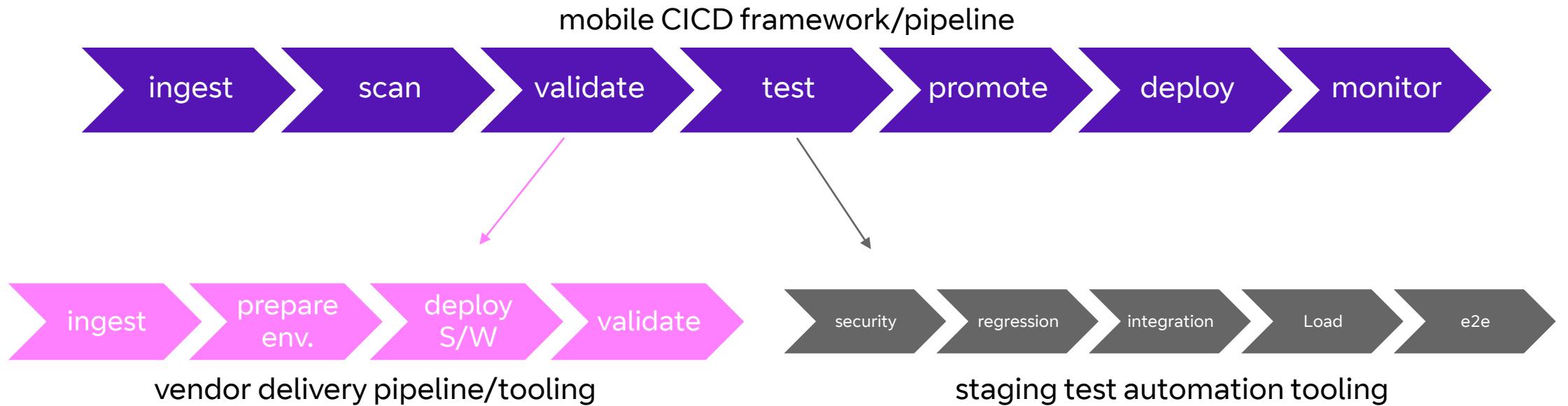


“multiple VNF providers, single VNF validator to single VNF operator “

ETSI GR NFV-TST 006 V1.1.1 (2020-01)

BT Classification: Public

Building a “level 0” continual delivery pipeline



orchestrate **vendor delivered tooling**

shift left security and controls

orchestrate all testing

single **framework** for delivery management/visibility

rapid **feedback** of defects

Our delivery pipeline

Chapter 6: “LEAN” our 1st MVP!

Initial brain storming (MVP)

Proof of Value **experiments**

vendor **invited** to squad

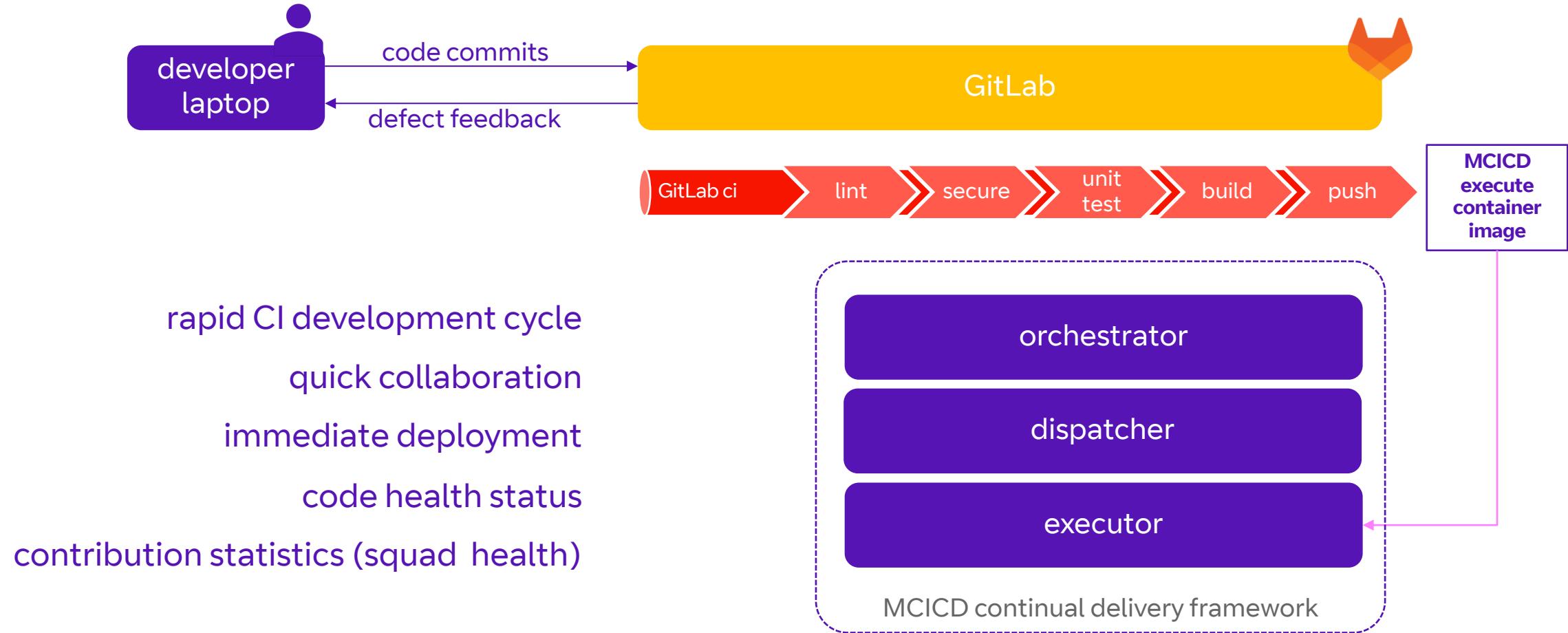
leverage show and tells

*continuous execution





MCICD squad : rapid learning / development



Outcomes

Chapter 7: Sep 21 -current

new security framework established

SBOM level visibility and management

creation of dashboards

stability of environments (IaC, Cont. Health)





Ah ha! moments:

The facts don't lie! : DORA / State of Devops...

DOES is one of the best summits to be inspired!

Small batch, Cross functional teams, Conway's law, its all true..

Less is More, cognitive load on the squad matters (WIP)

Joy can and should be brought back to delivery ☺



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