HOW THE CLOUD ENHANCES YOUR AGILE DEVELOPMENT

RAOUL HOLZER

@RAOULHOLZER

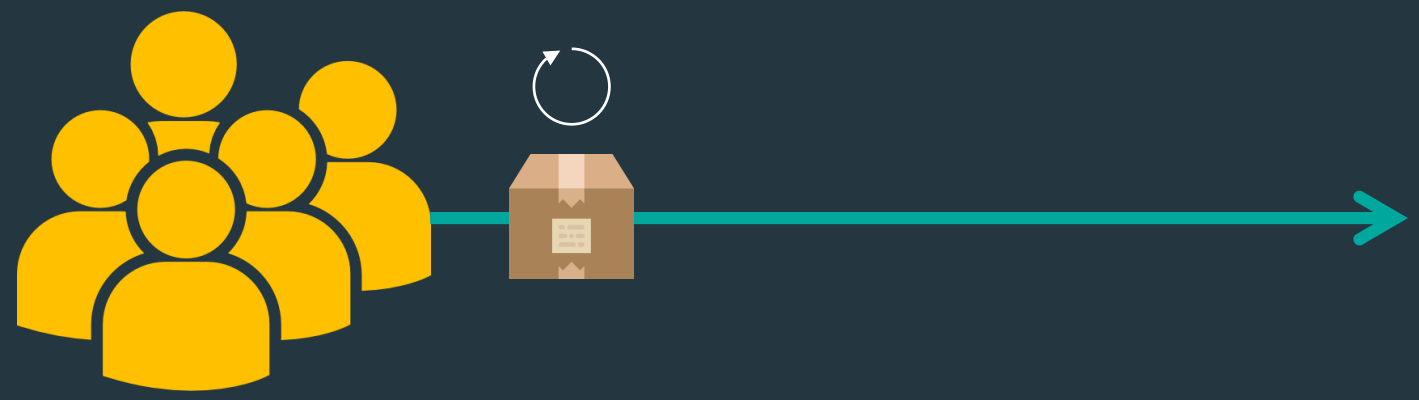
DAVID LEITNER

@DUFFLEIT

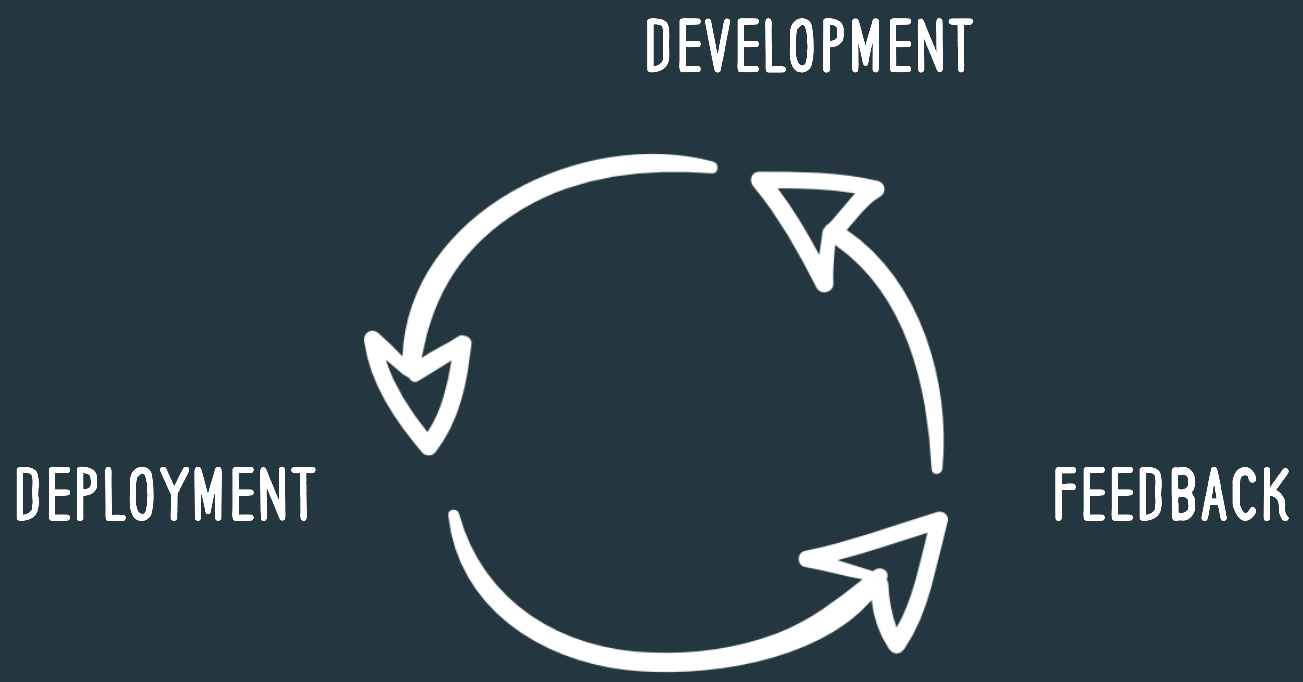
WE ARE IN A RACE

WASSERFALL

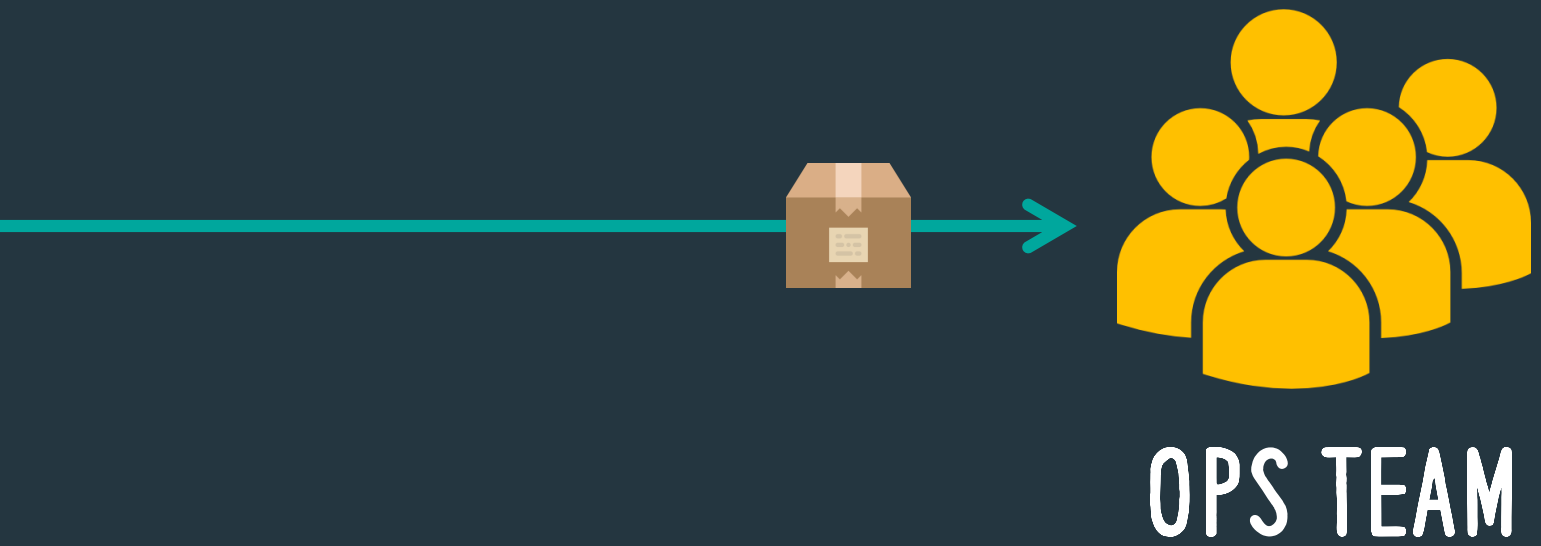
AGILE



SCRUM TEAM


DEVELOPMENT
DEPLOYMENT
FEEDBACK

SCRUM TEAM


OPS TEAM

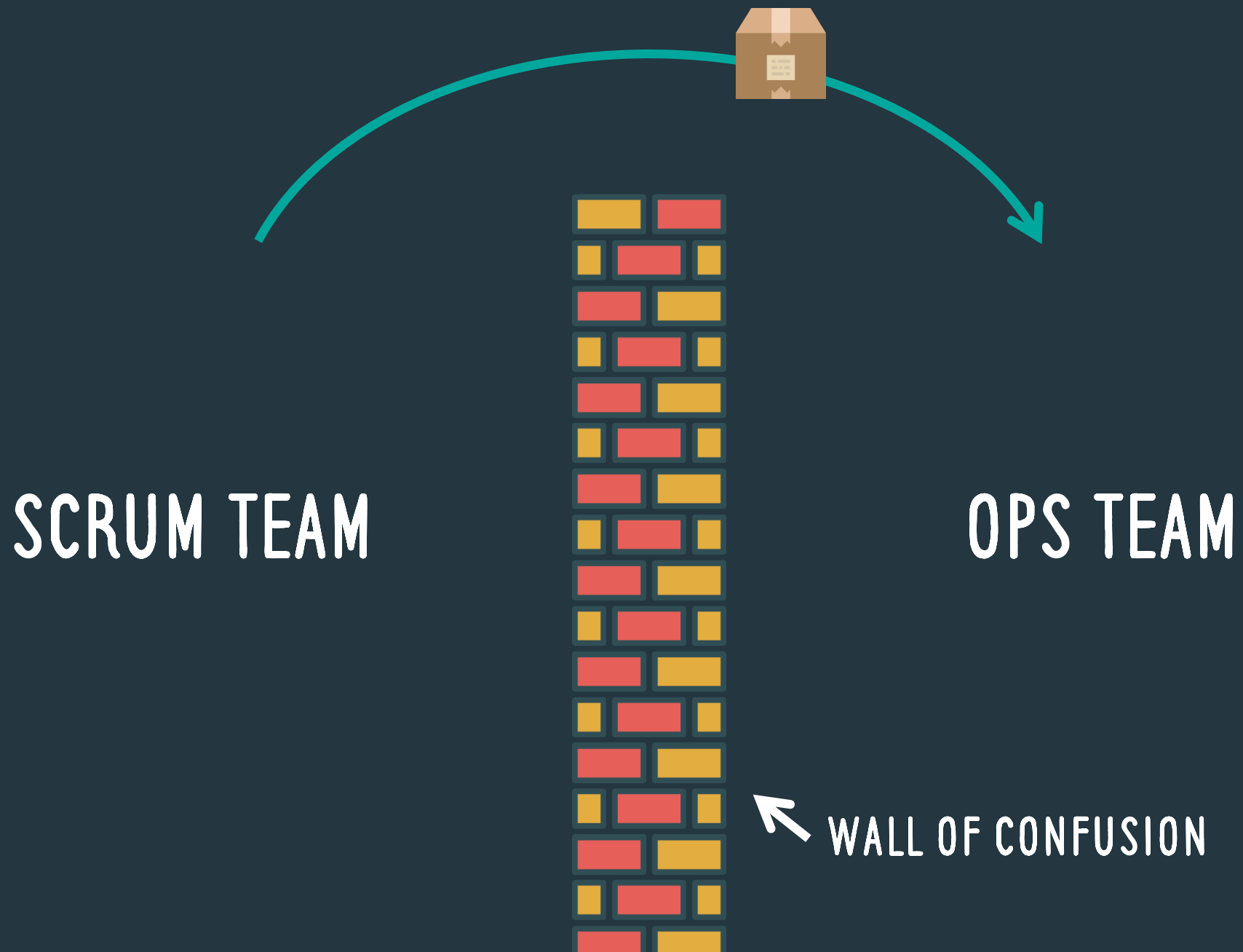
OPS TEAM

SCRUM TEAM

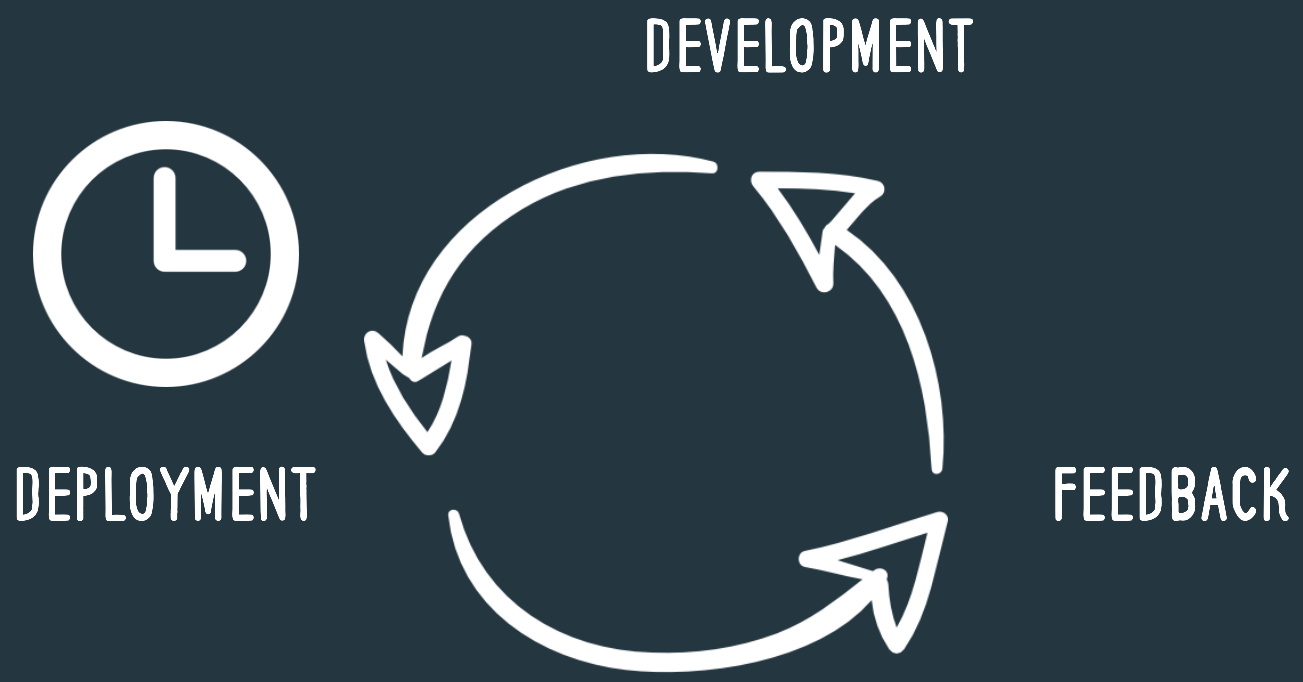
OPS TEAM

YOLO?
SCRUM TEAM

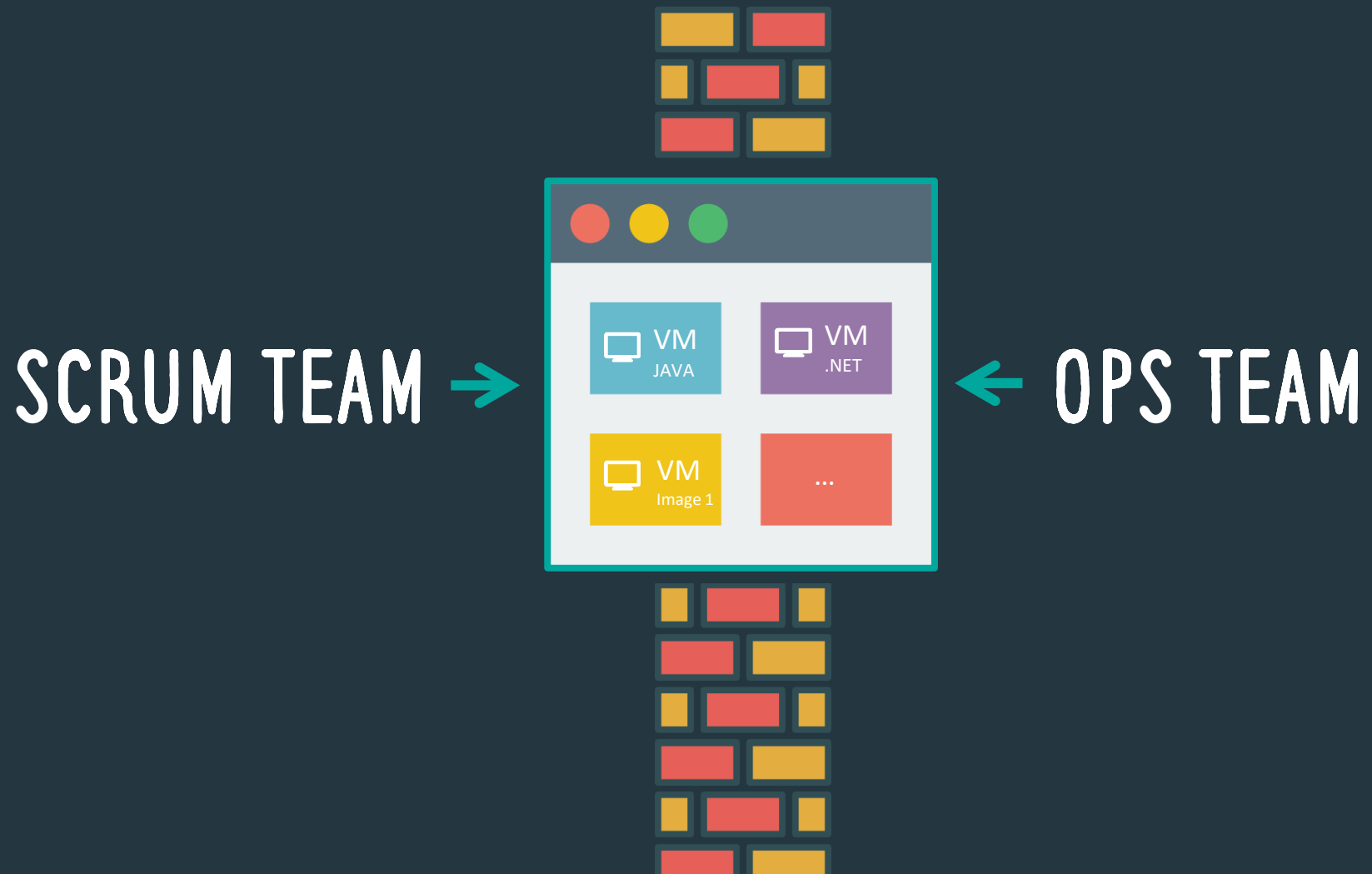
NEIN.
OPS TEAM


SCRUM TEAM
OPS TEAM
WALL OF CONFUSION

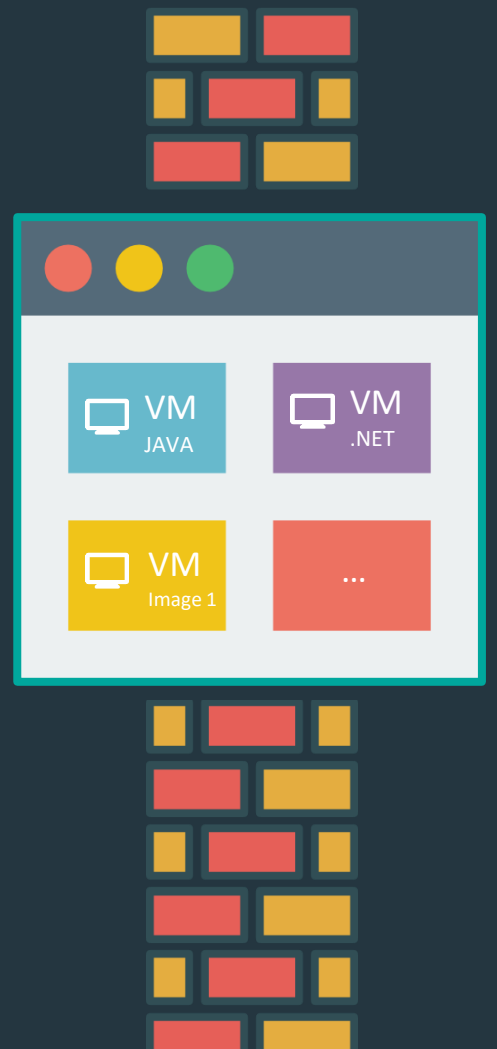
SCRUM TEAM
OPS TEAM


DEVELOPMENT
DEPLOYMENT
FEEDBACK

SELF SERVICE IT


SCRUM TEAM
VM
JAVA
VM
.NET
VM
Image 1
...
OPS TEAM

SCRUM TEAM



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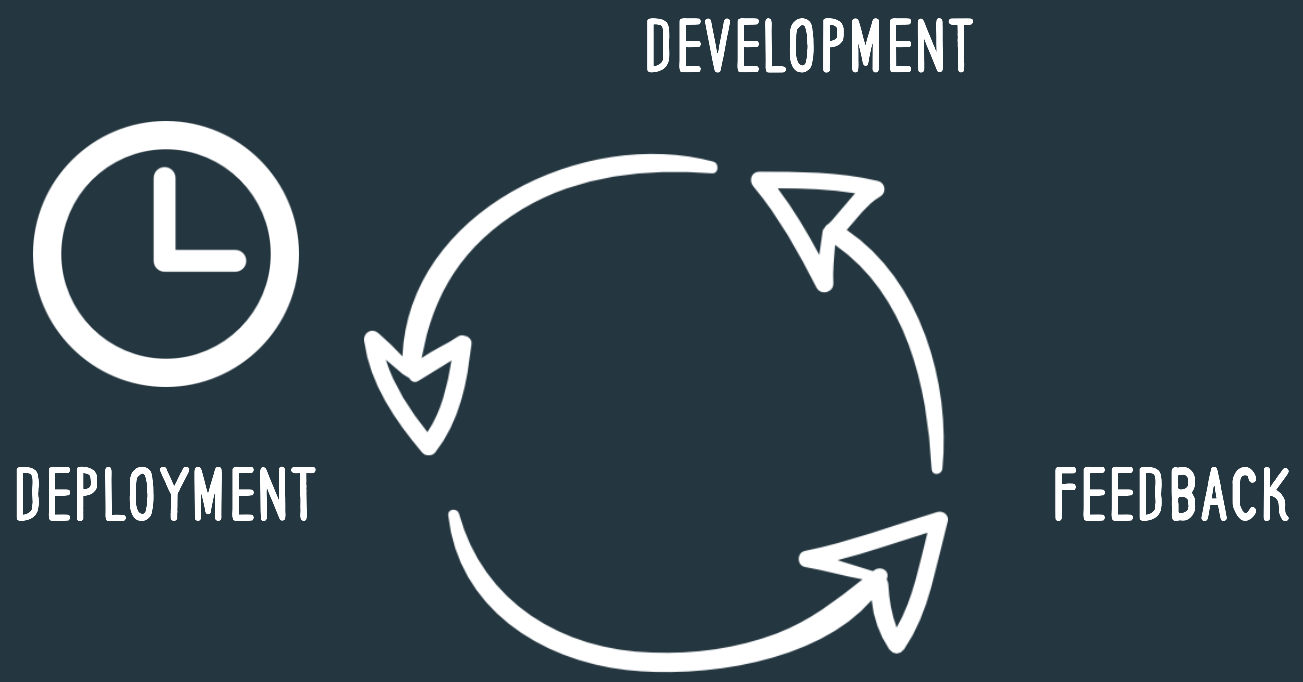
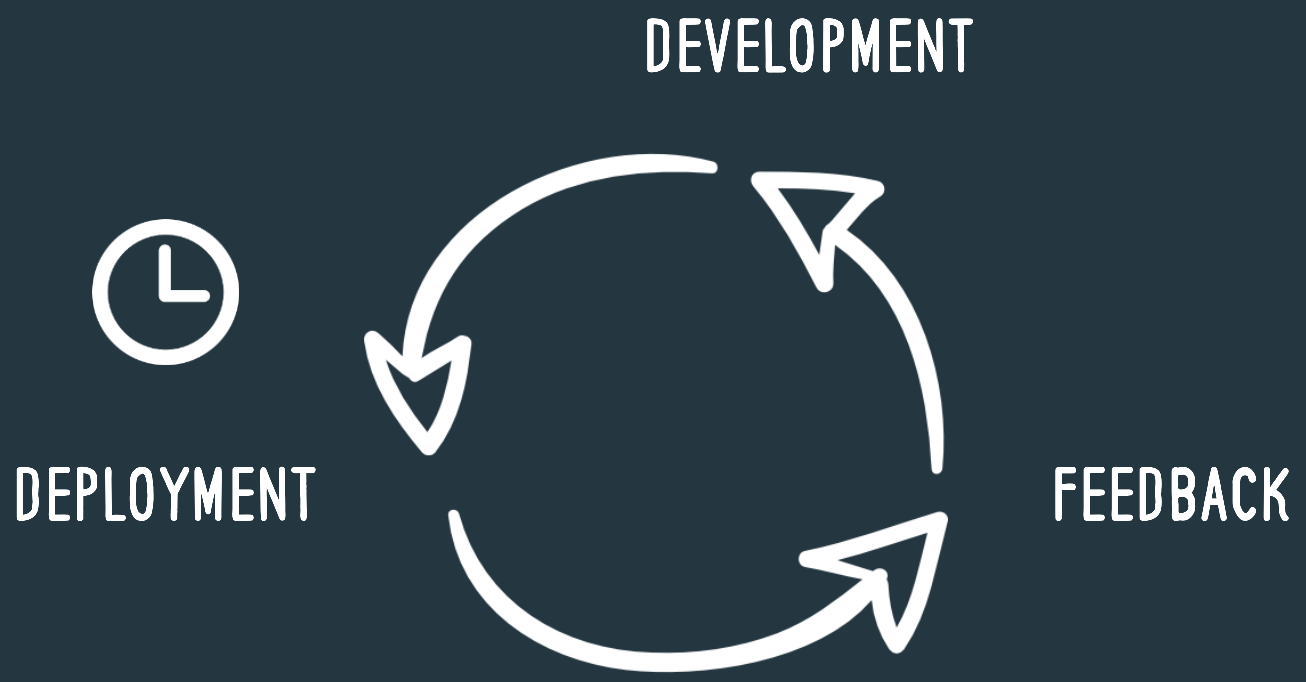

DEVELOPMENT
DEPLOYMENT
FEEDBACK

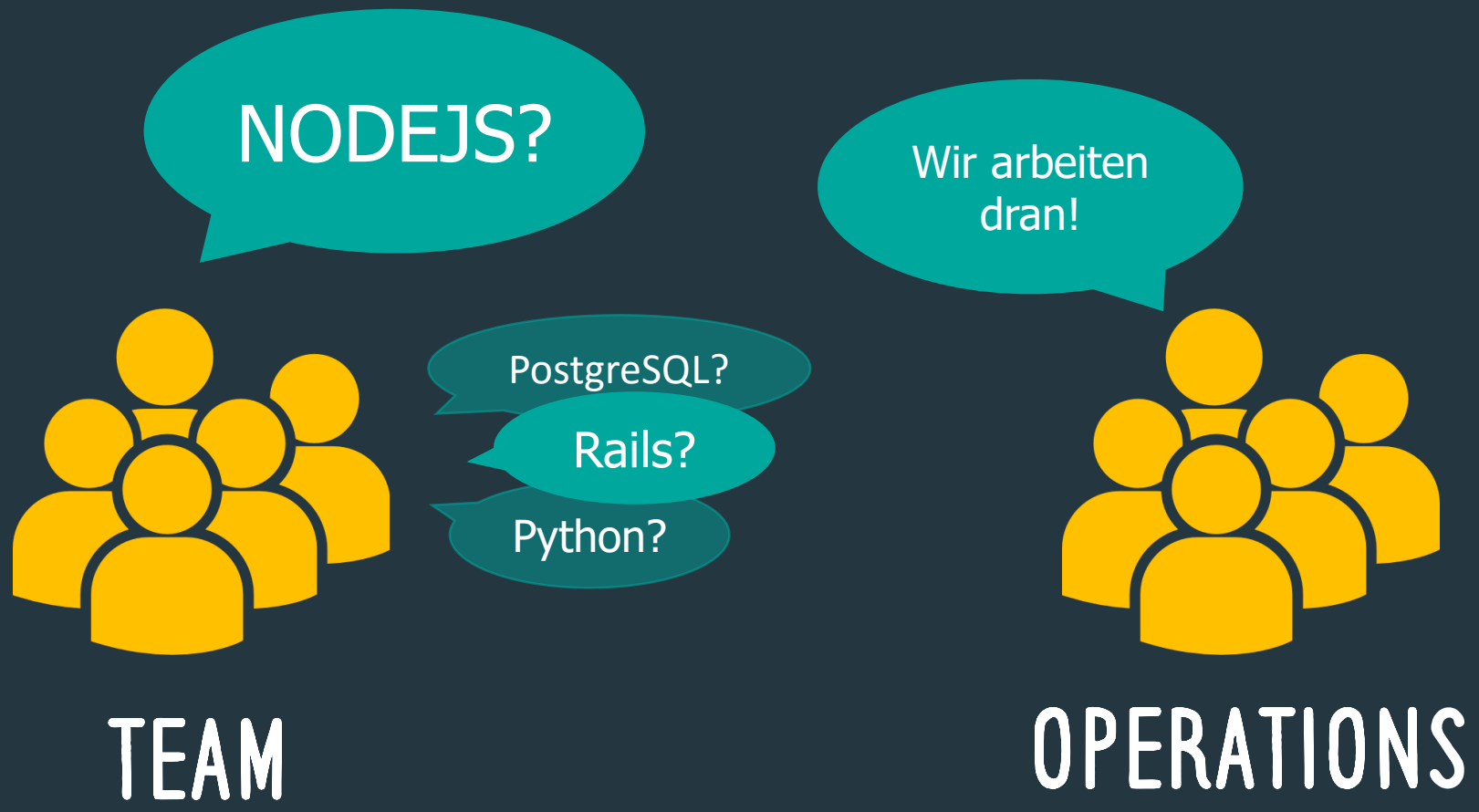

DEVELOPMENT
DEPLOYMENT
FEEDBACK

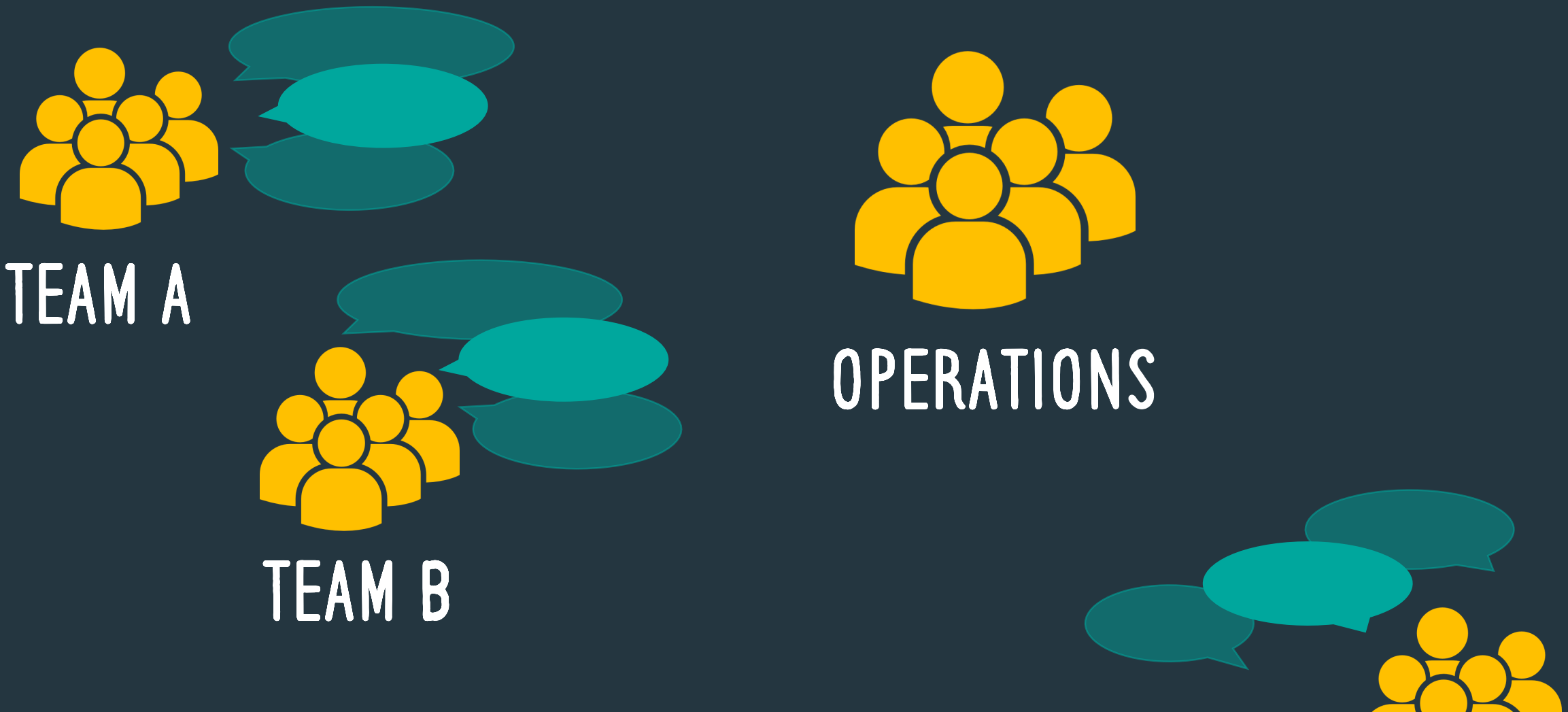
NODEJS?

TEAM

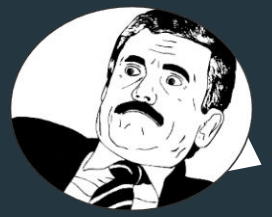
Wir arbeiten dran!

OPERATIONS

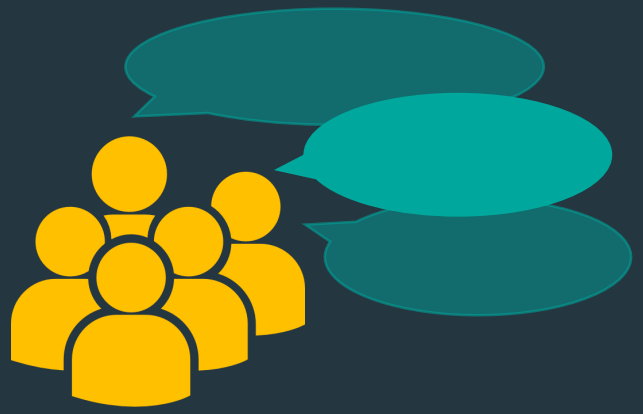

NODEJS?
Wir arbeiten dran!
PostgreSQL?
Rails?
Python?
TEAM
OPERATIONS


TEAM A
TEAM B
OPERATIONS

TEAM A



OPERATIONS



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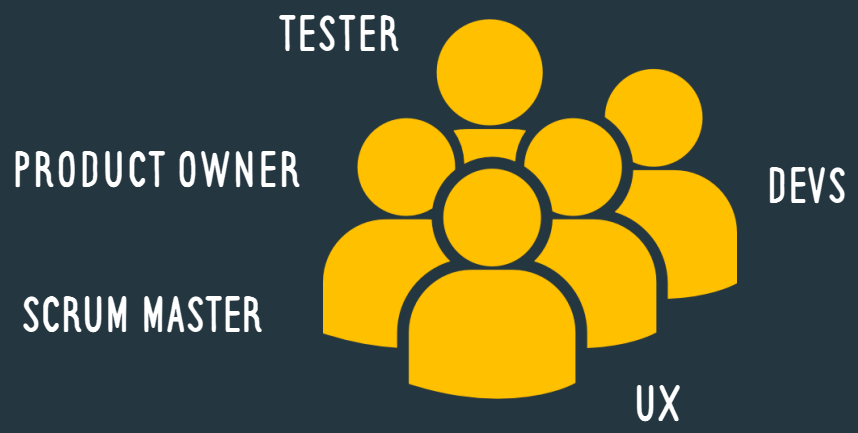
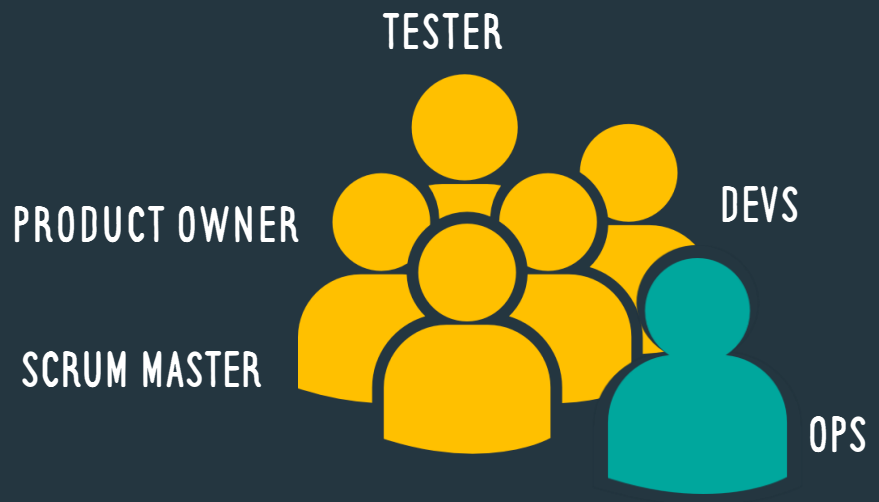


TEAM



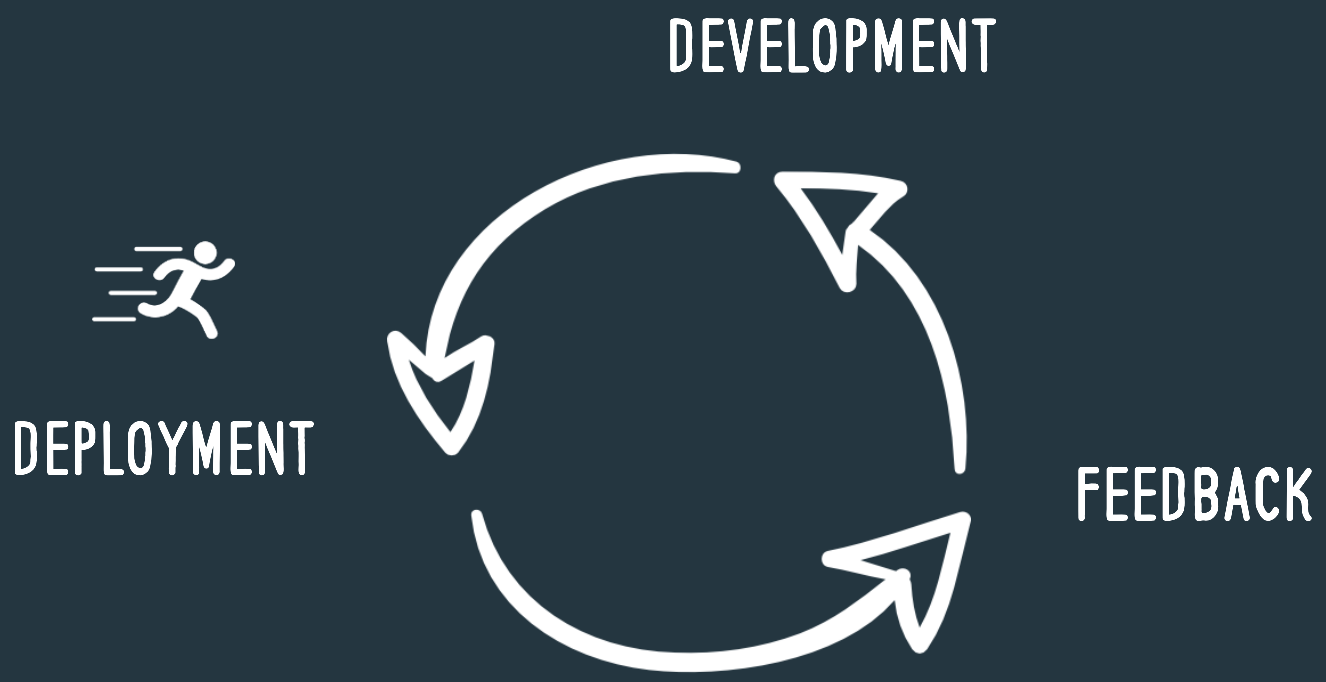
TEAM

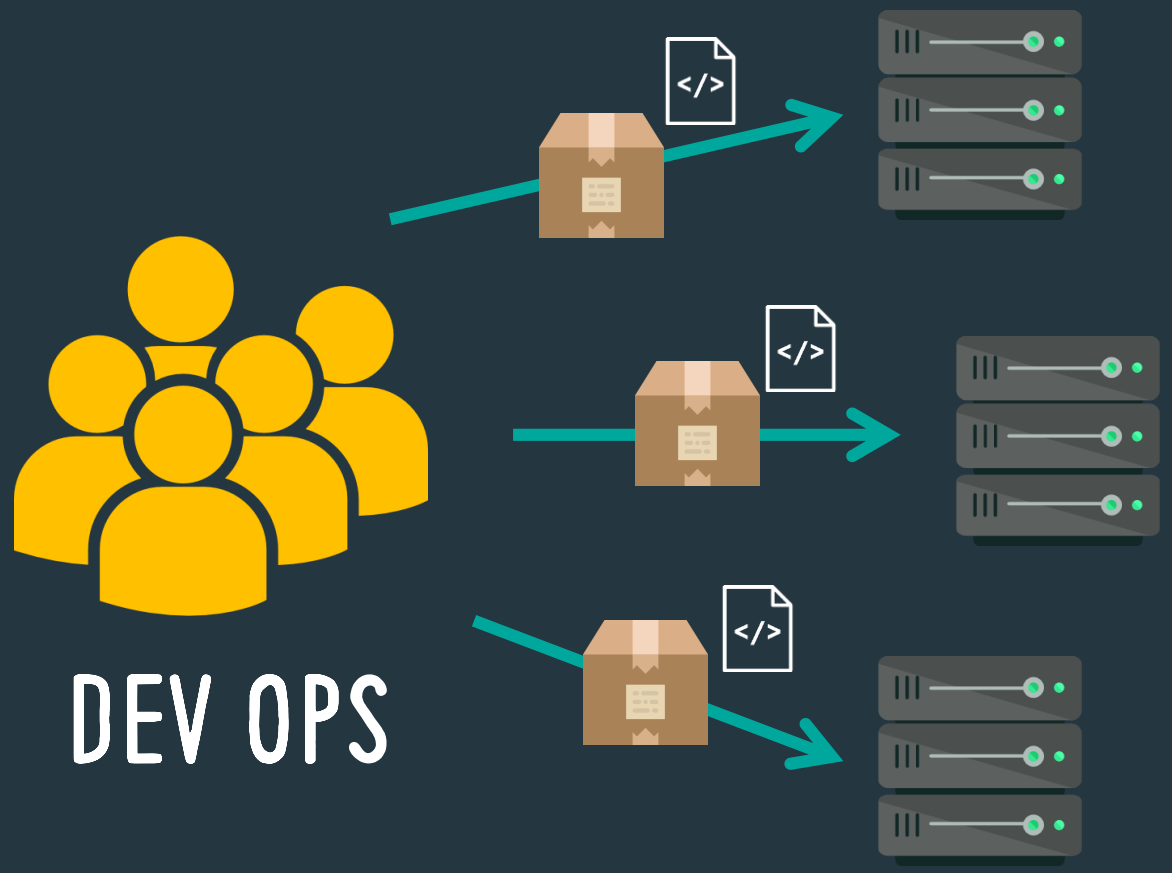
DEV OPS

DEV OPS

DEV OPS

DEV OPS


DEVELOPMENT
DEPLOYMENT
FEEDBACK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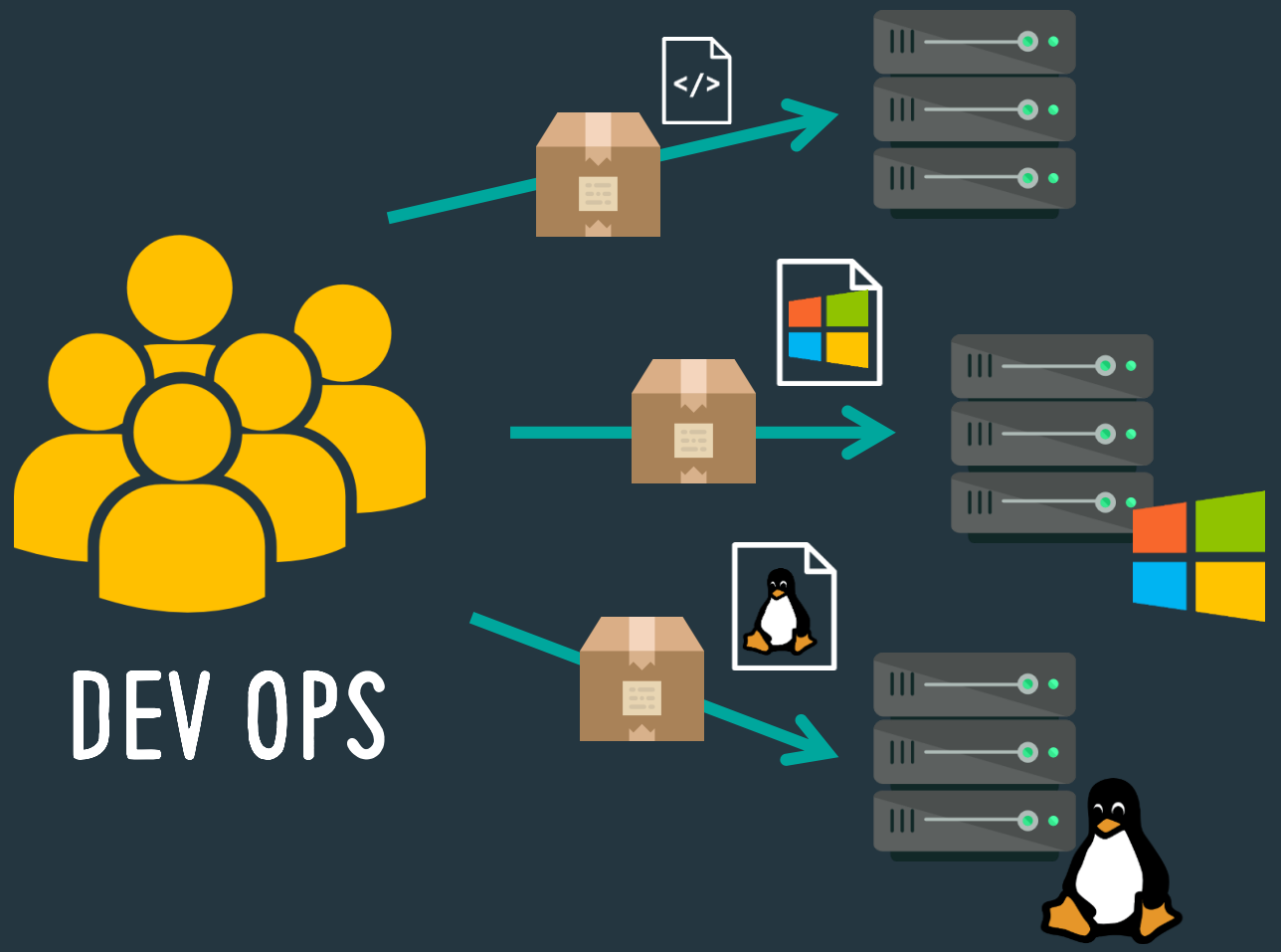
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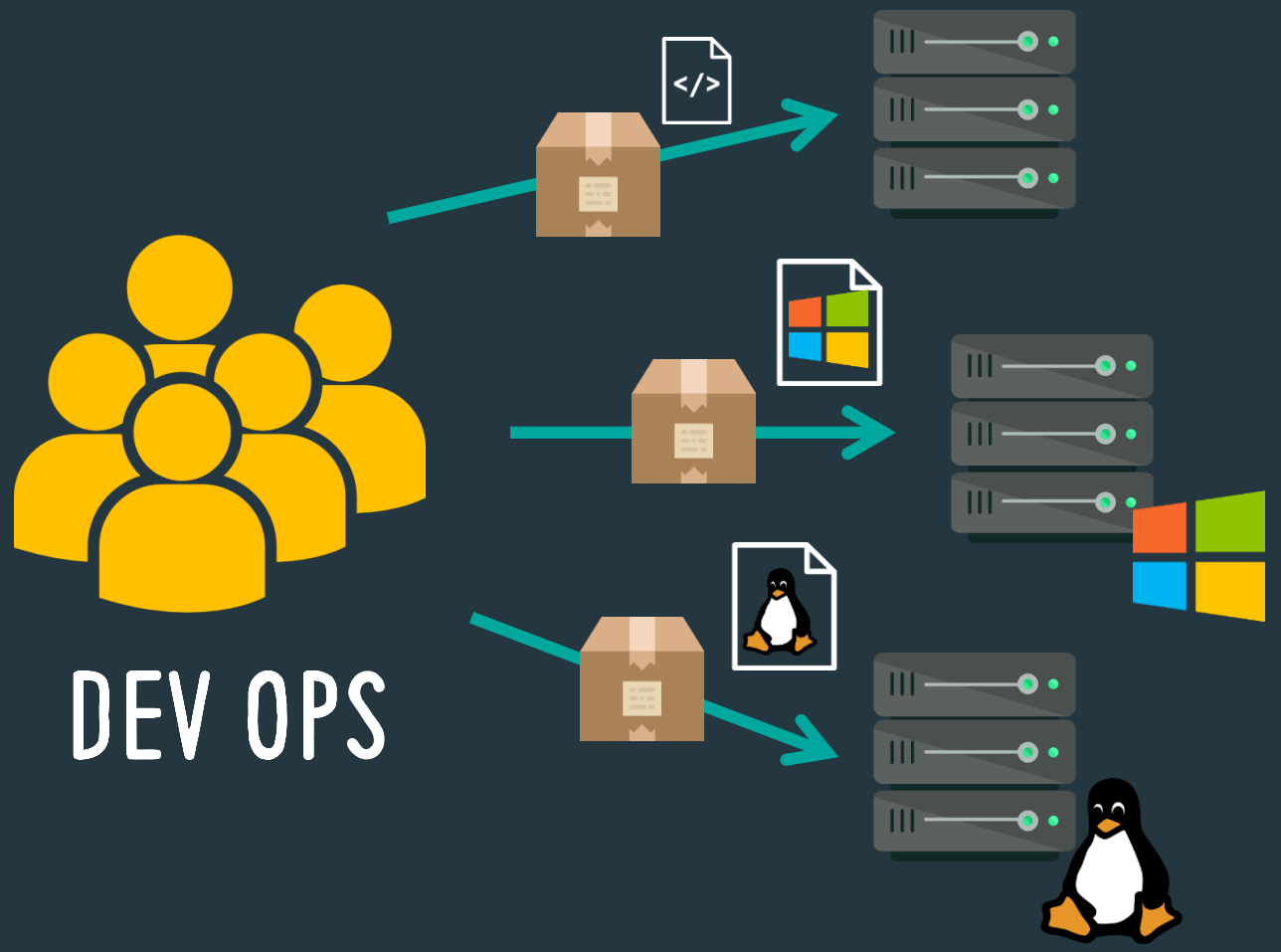
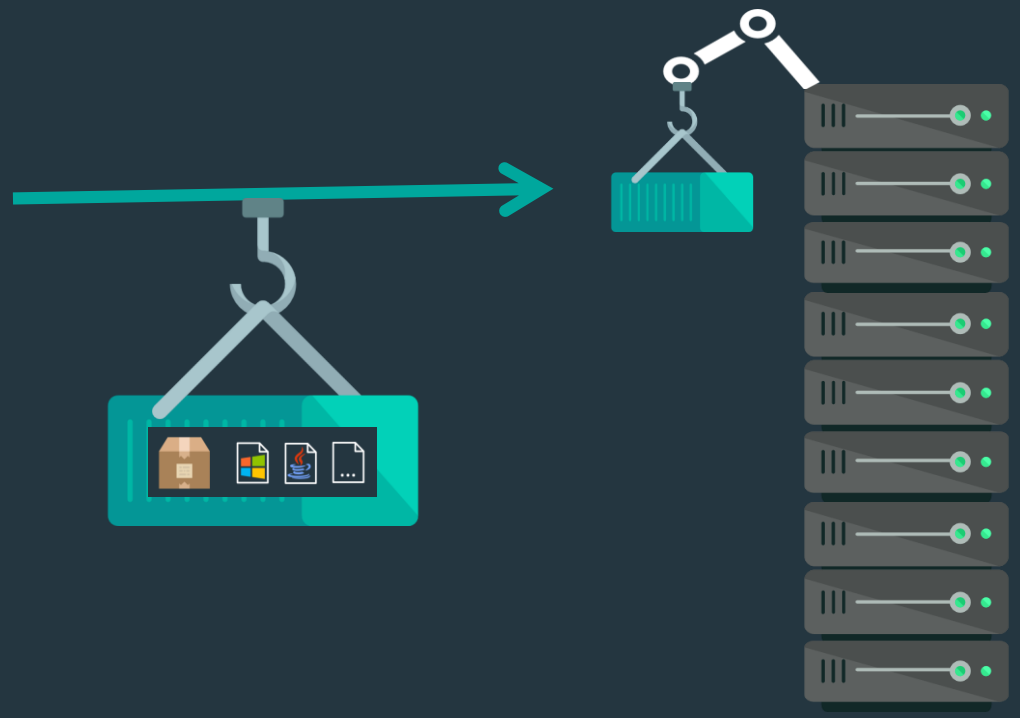

DEV OPS

DEV OPS



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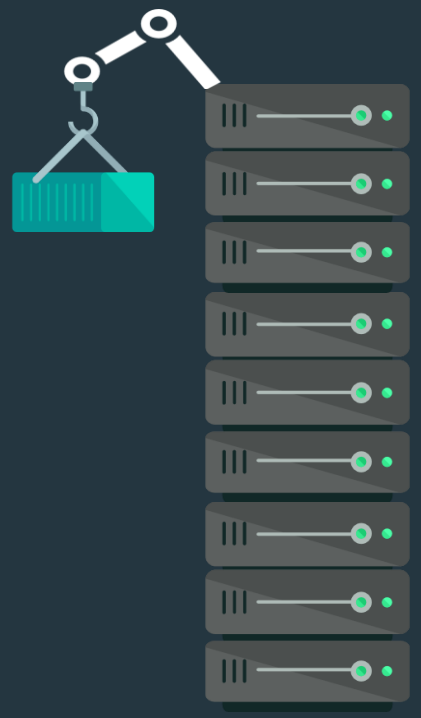
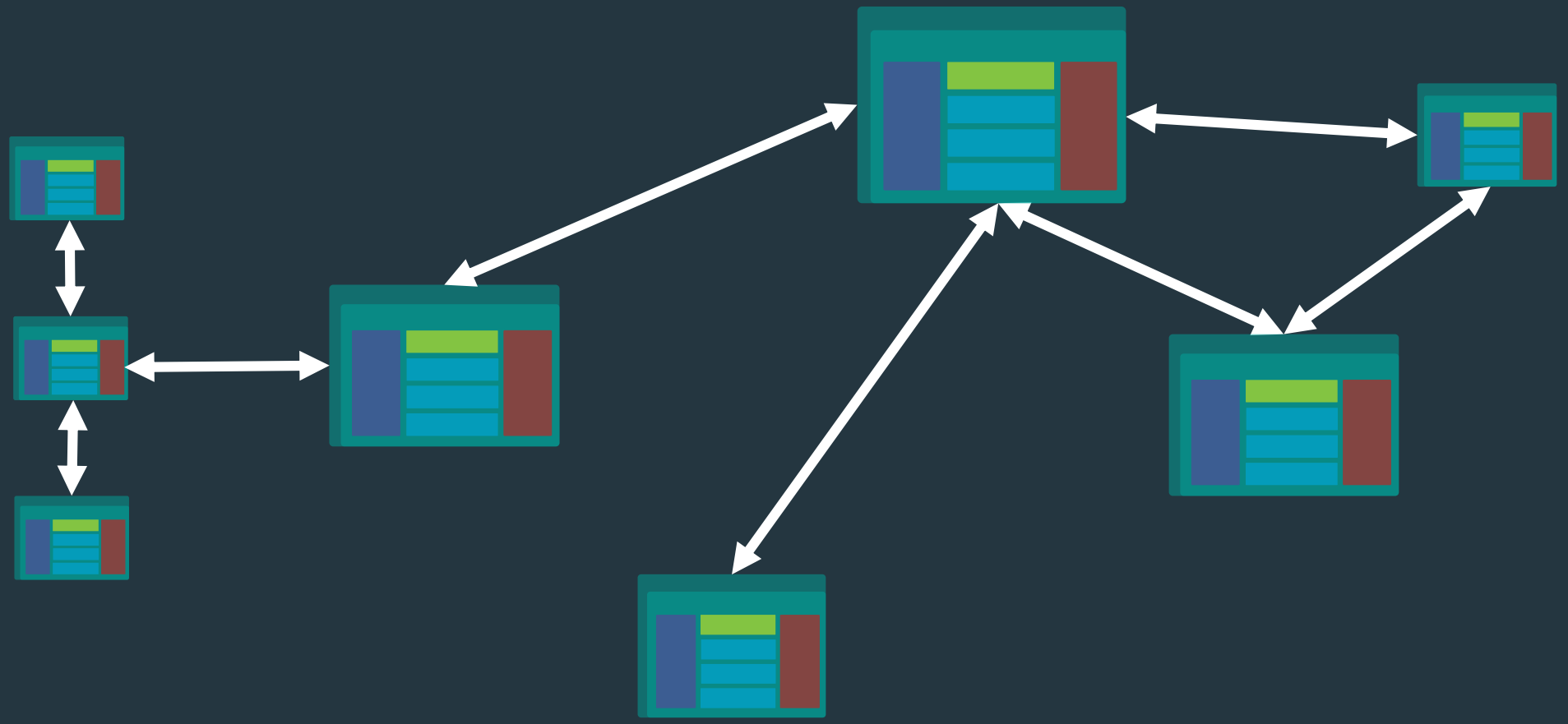


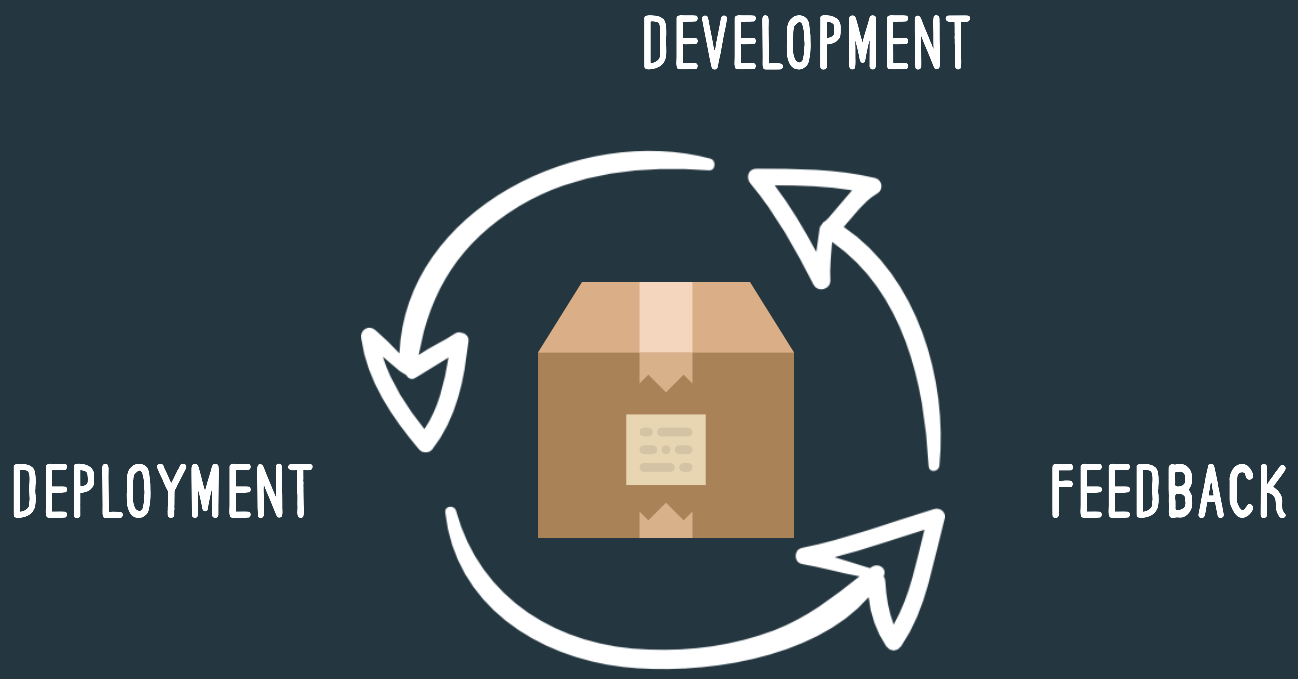
docker

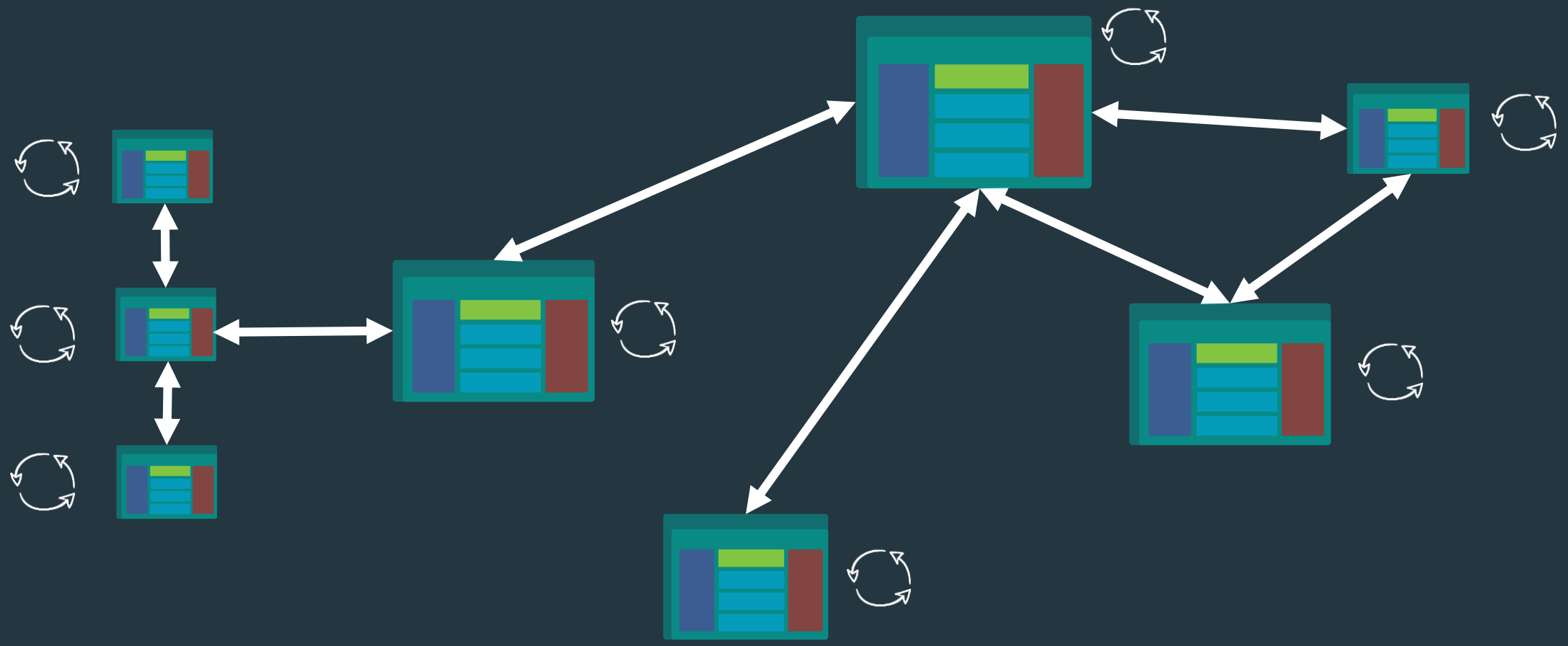
SERVICE ORIENTED ARCHITECTURE

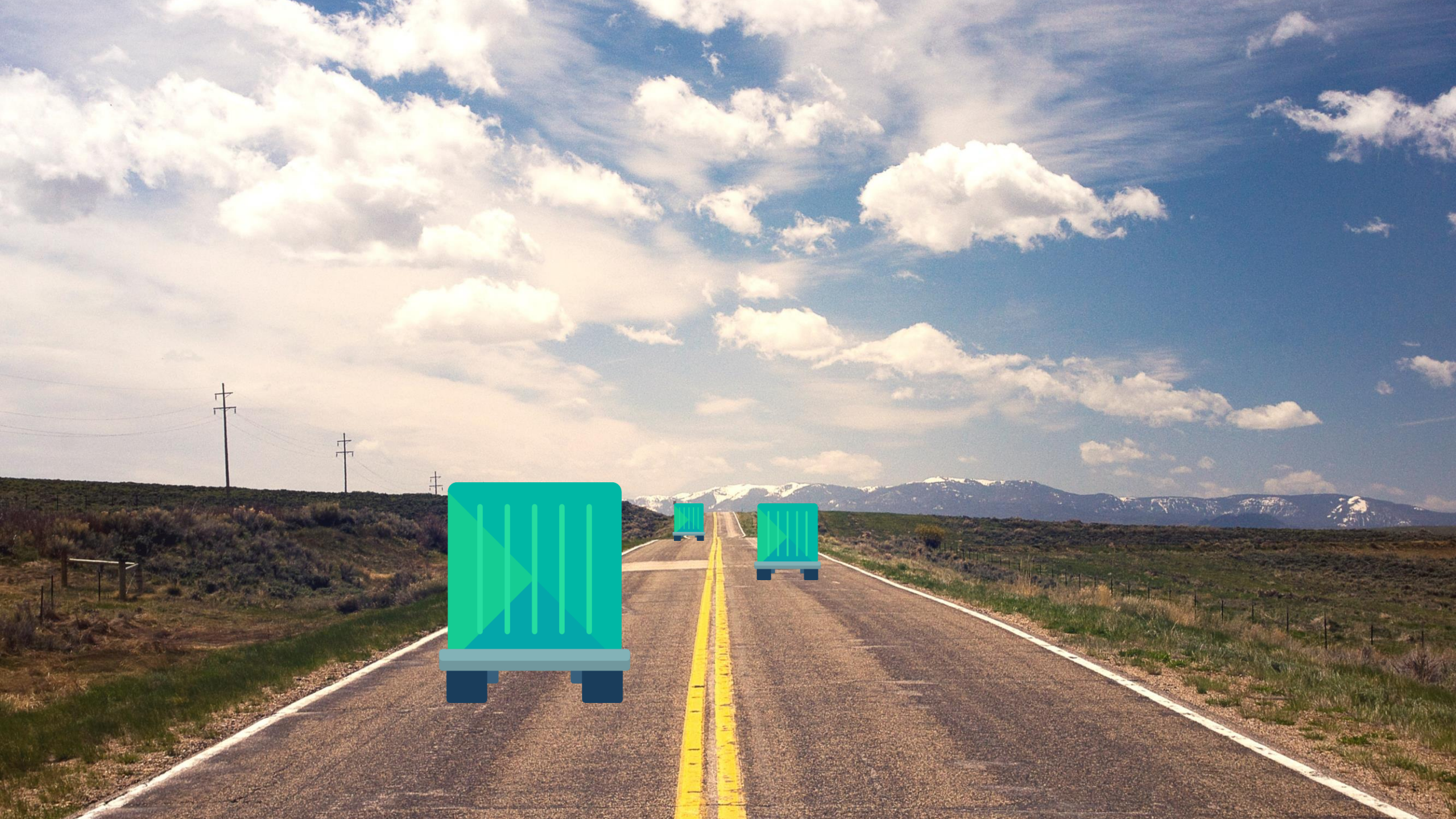
~~SERVICE ORIENTED ARCHITECTURE~~

MICROSERVICES




DEVELOPMENT
DEPLOYMENT
FEEDBACK





CIRCLE2
URBANISE
02 652 9999
INDRA
สนใจโฆษณา
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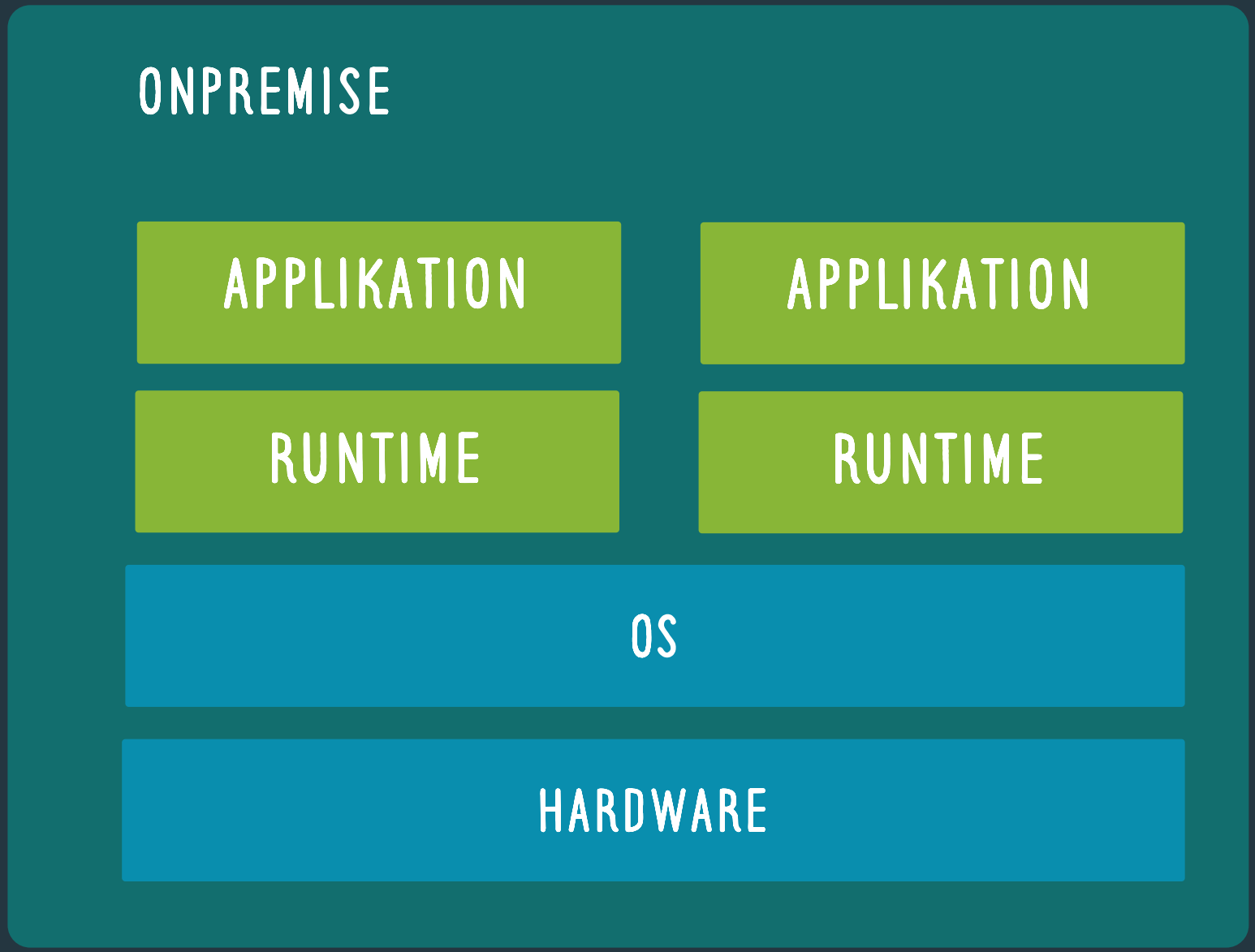
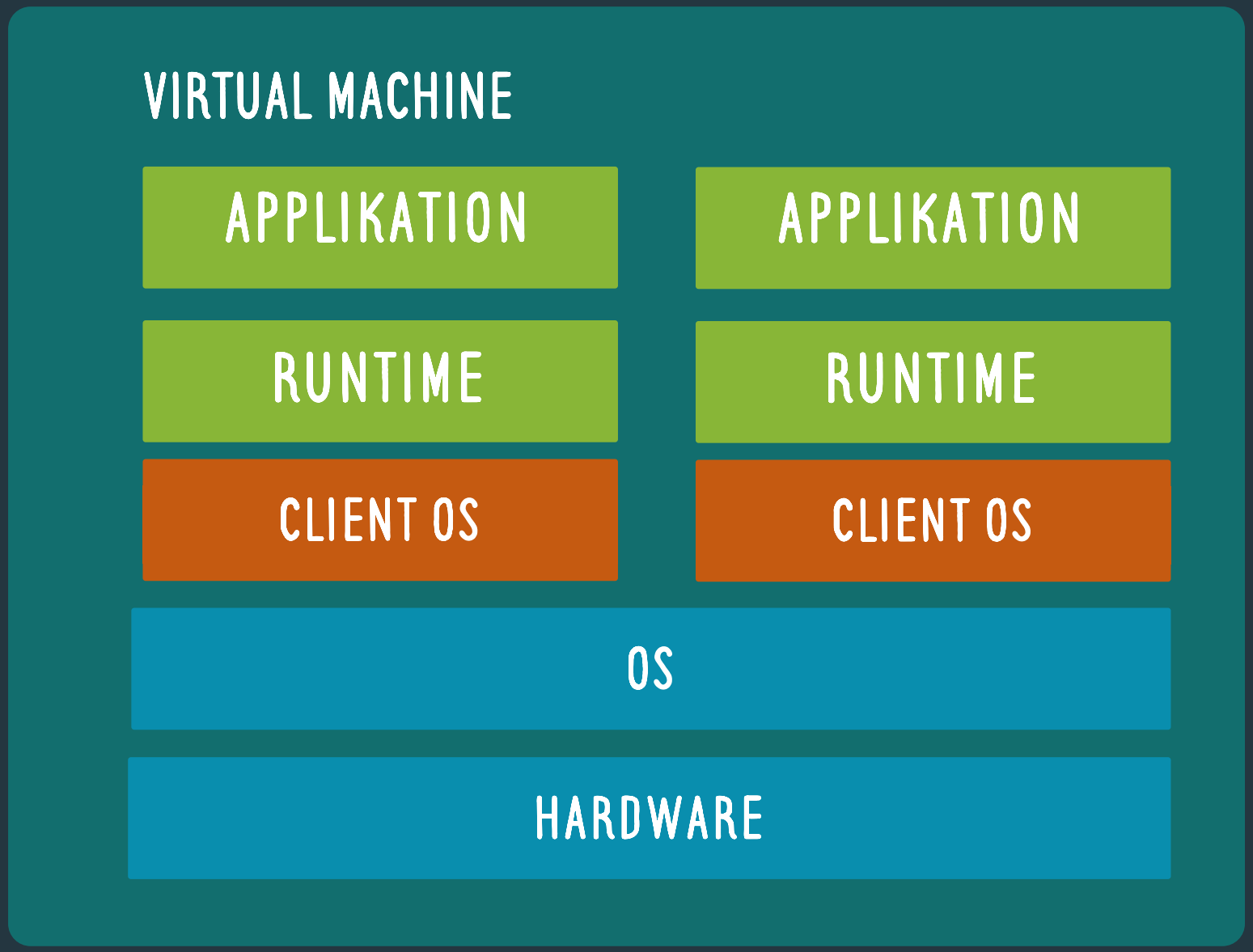
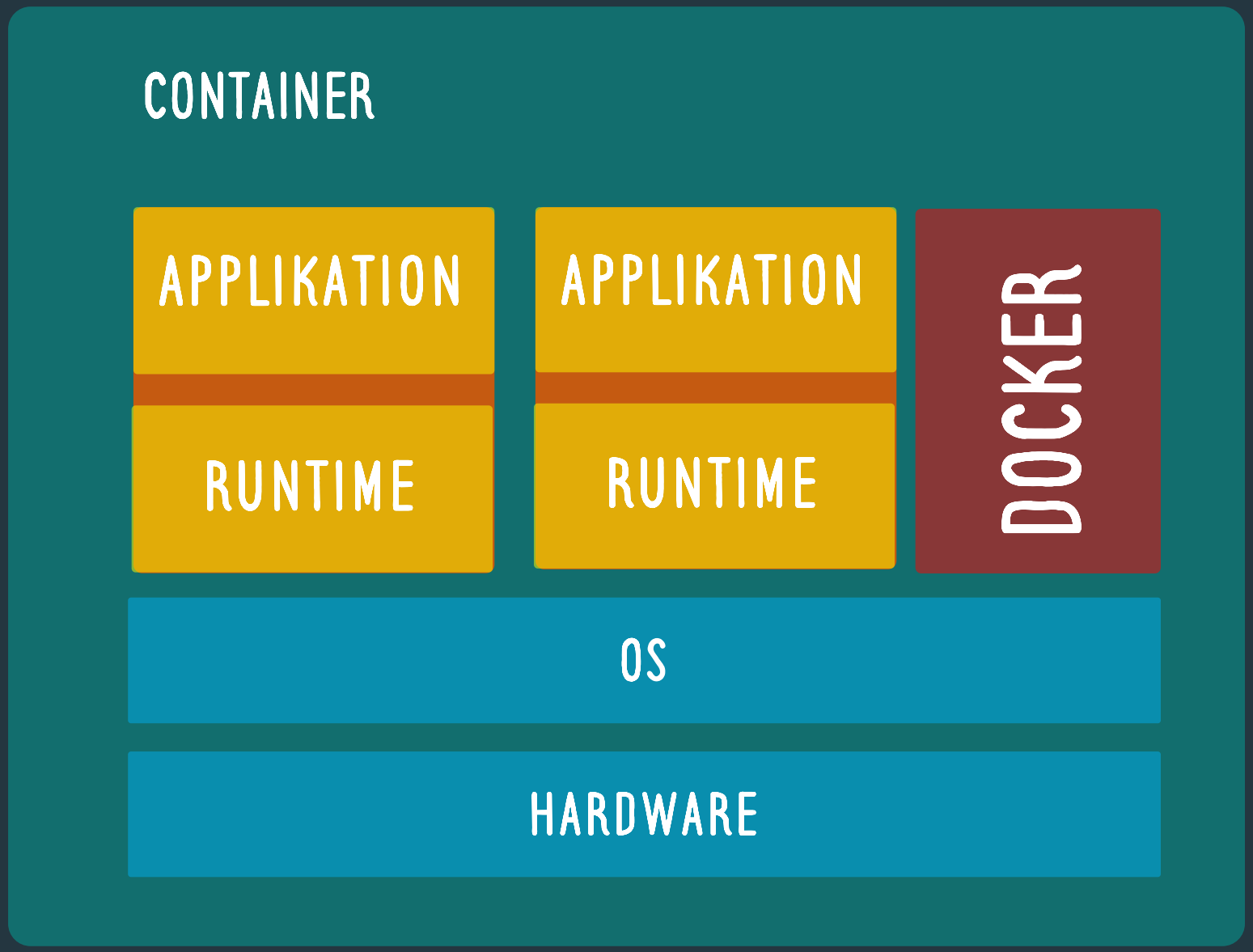
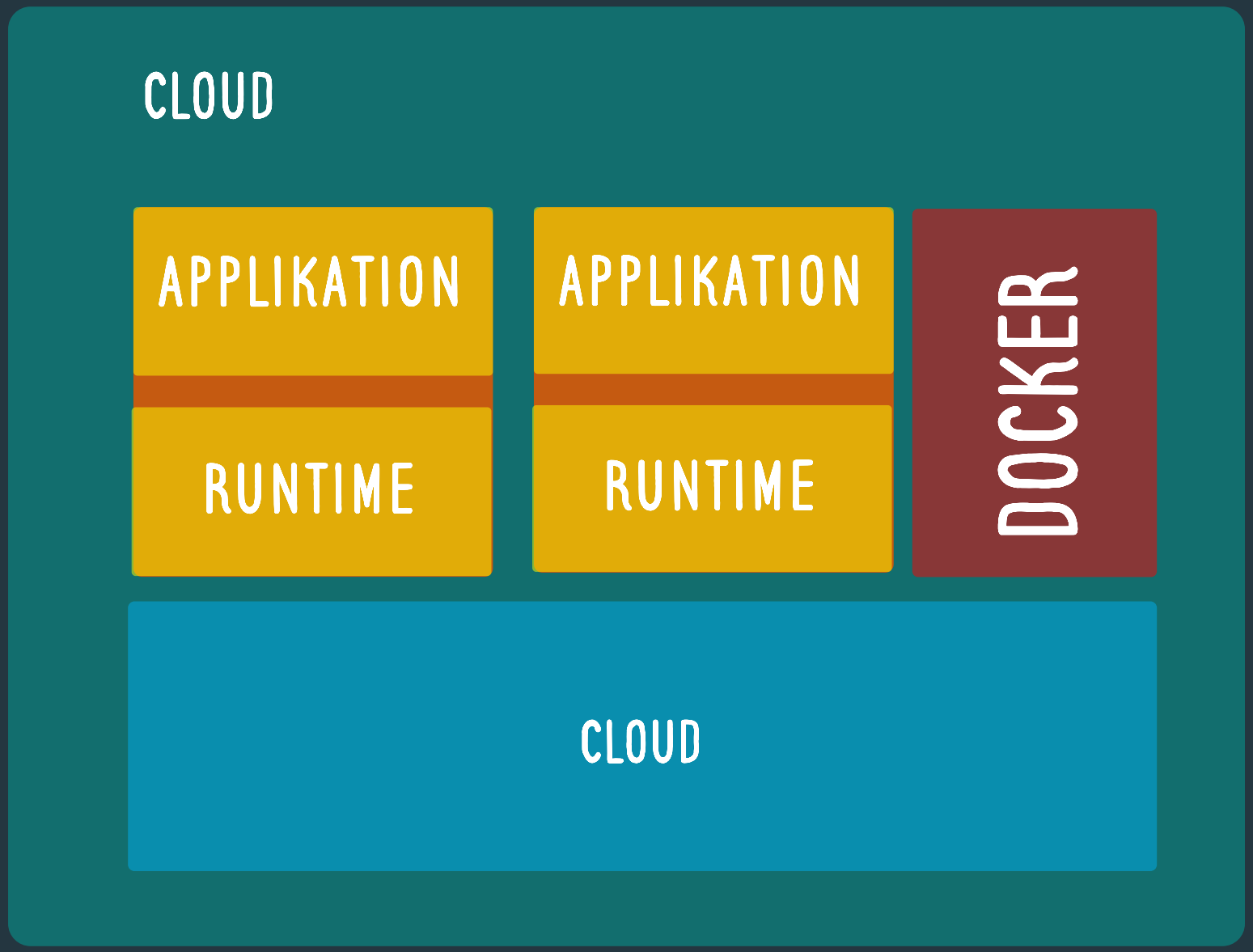
086-376-1522
CENTARA
SPORT
IN

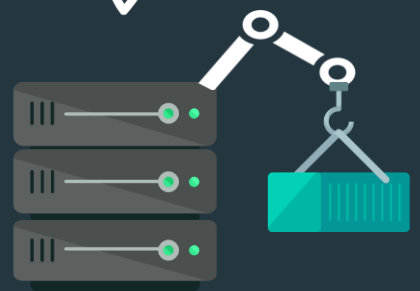

ONPREMISE
APPLIKATION
APPLIKATION
RUNTIME
RUNTIME
OS
HARDWARE

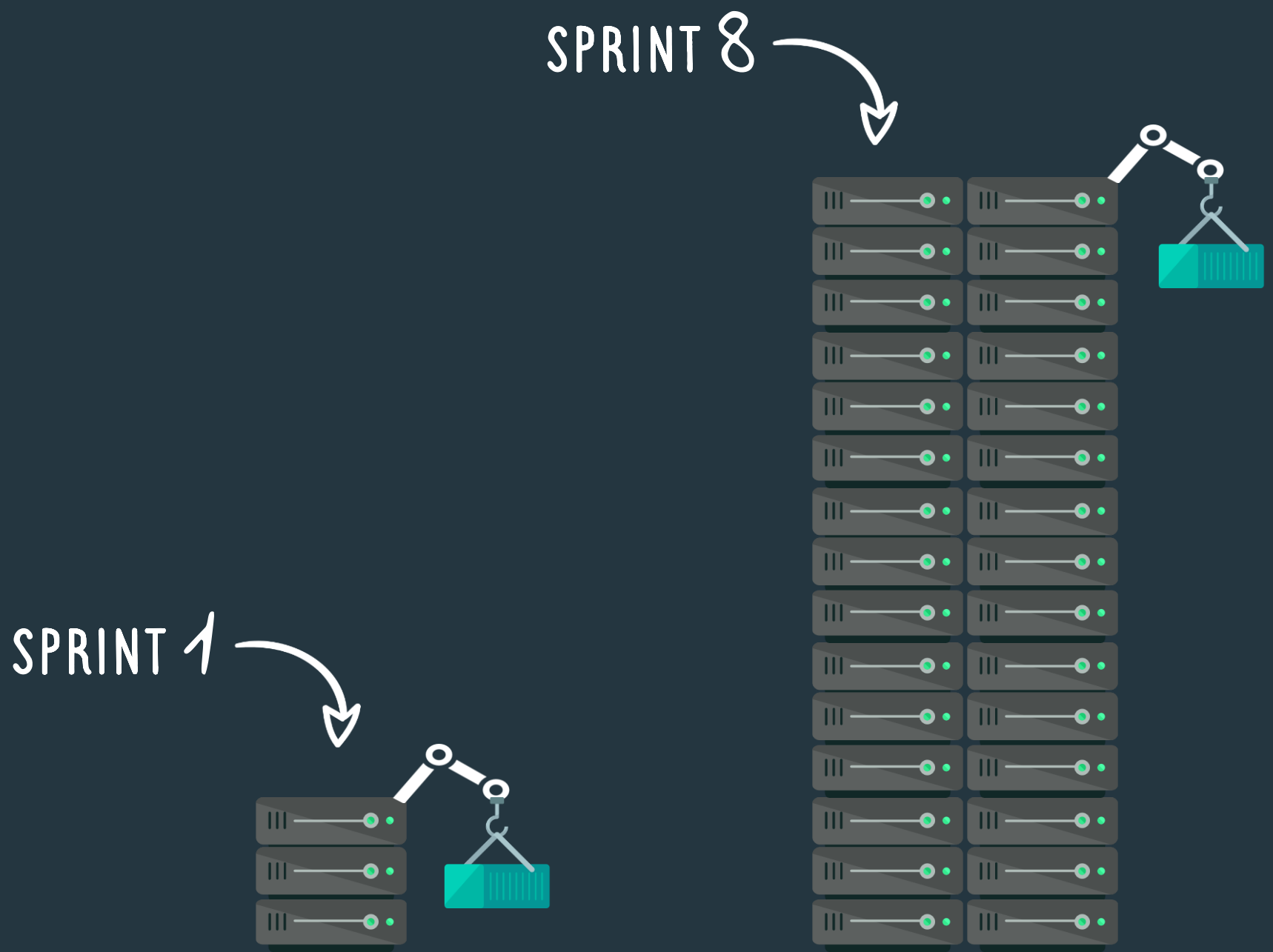

VIRTUAL MACHINE
APPLIKATION
APPLIKATION
RUNTIME
RUNTIME
CLIENT OS
CLIENT OS
OS
HARDWARE

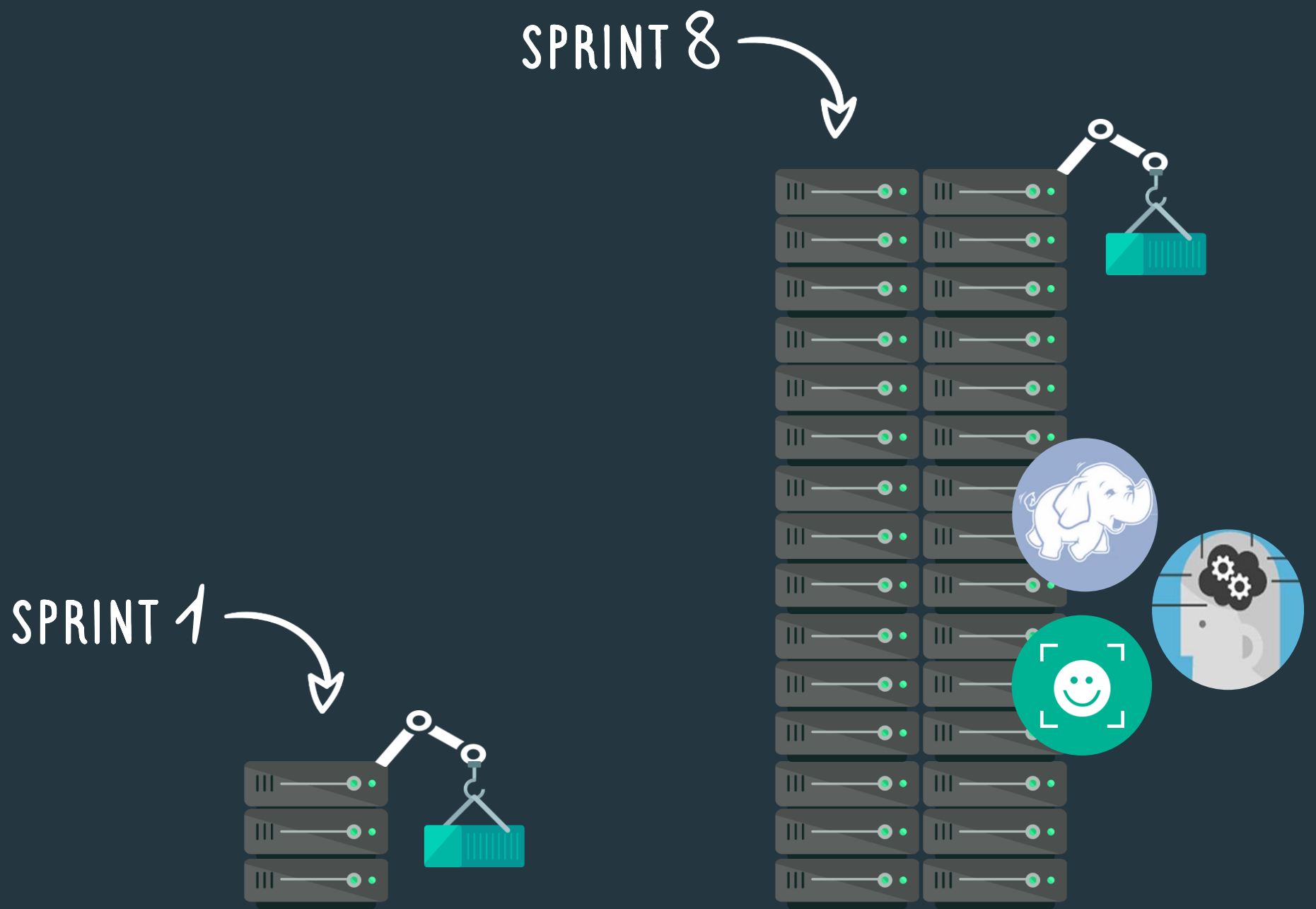

CONTAINER
APPLIKATION
RUNTIME
APPLIKATION
RUNTIME
DOCKER
OS
HARDWARE


CLOUD
APPLIKATION
RUNTIME
APPLIKATION
RUNTIME
DOCKER
CLOUD

SPRINT 1




SPRINT 8
SPRINT 1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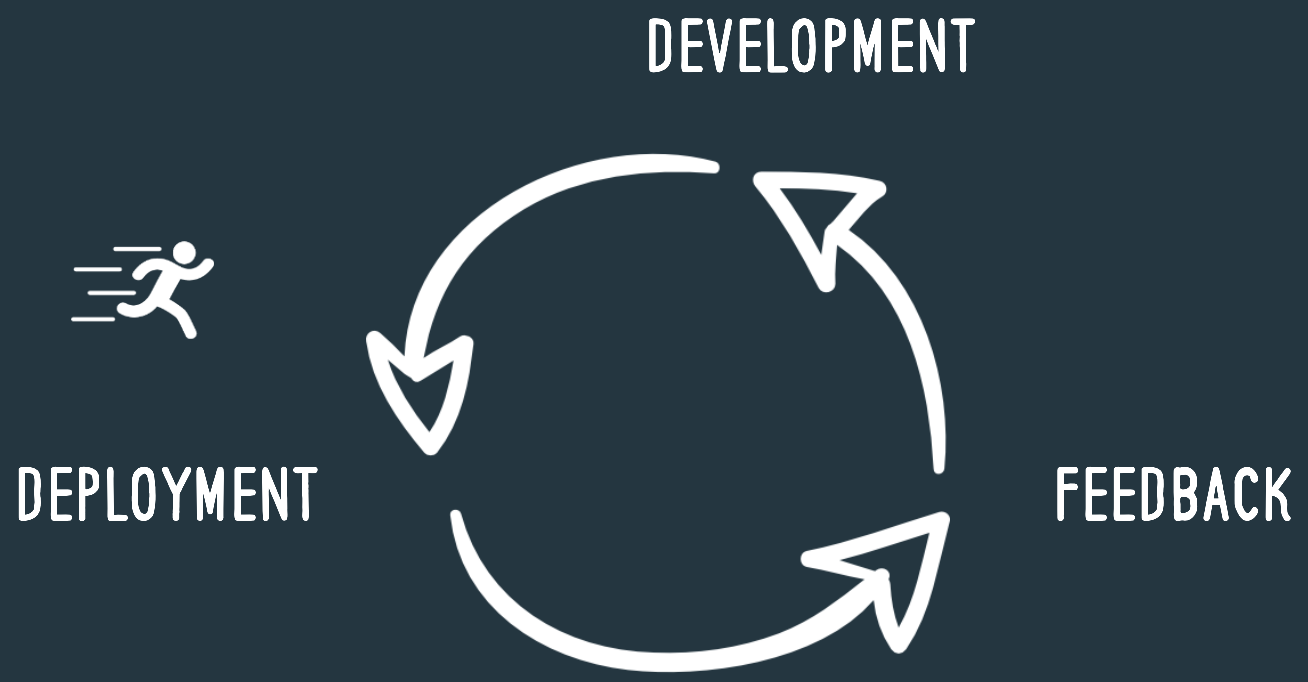
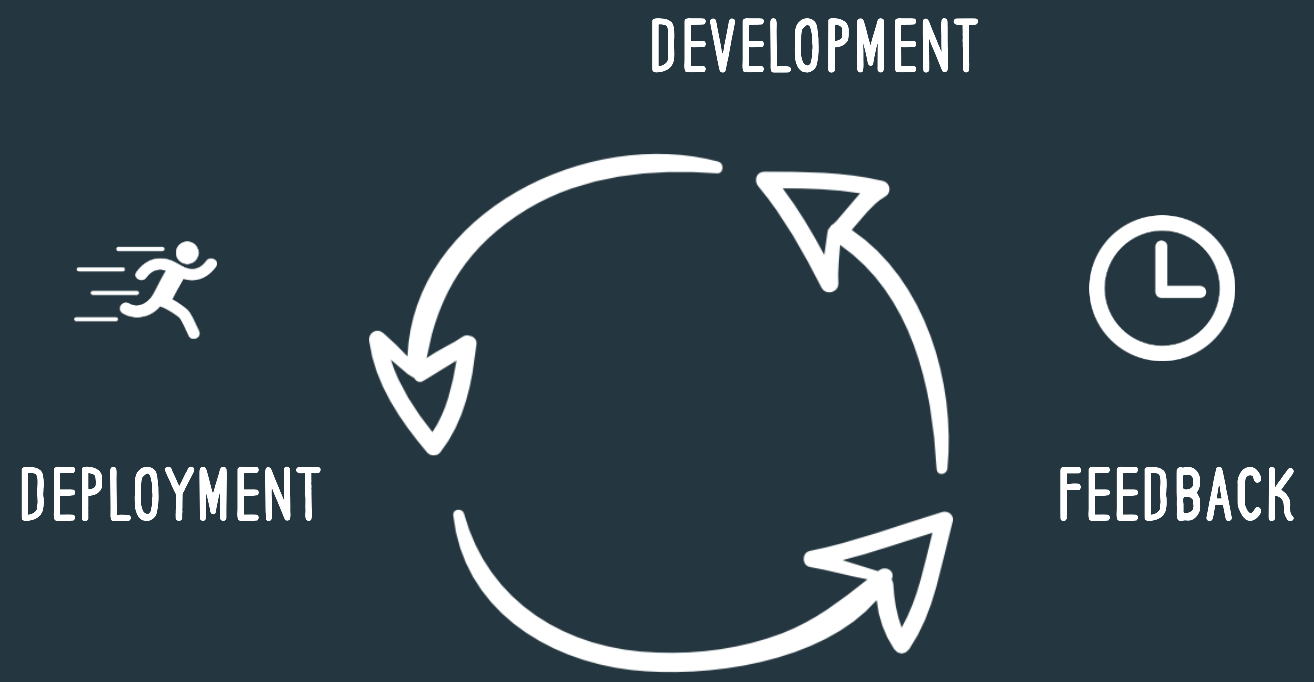
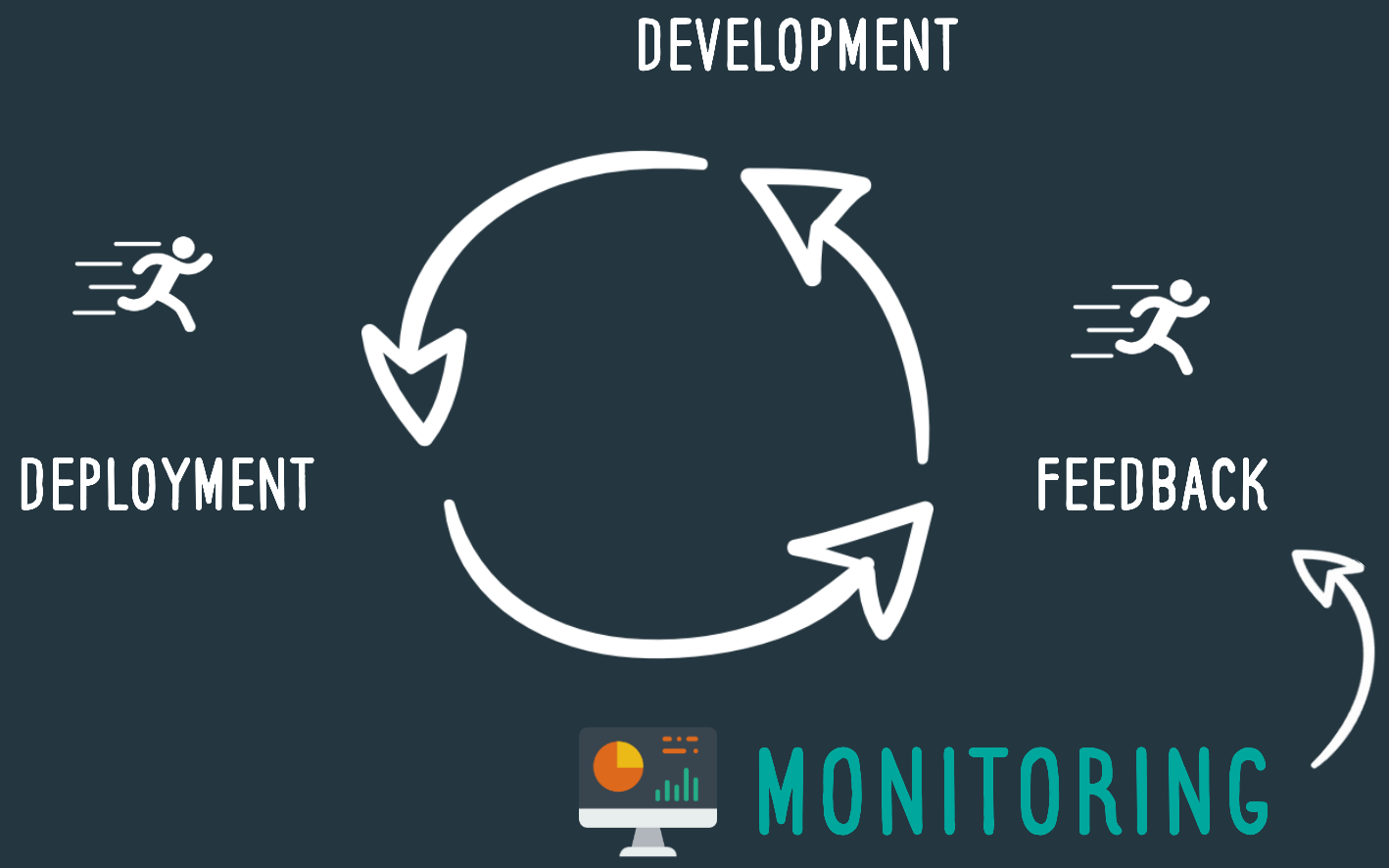
SPRINT 1

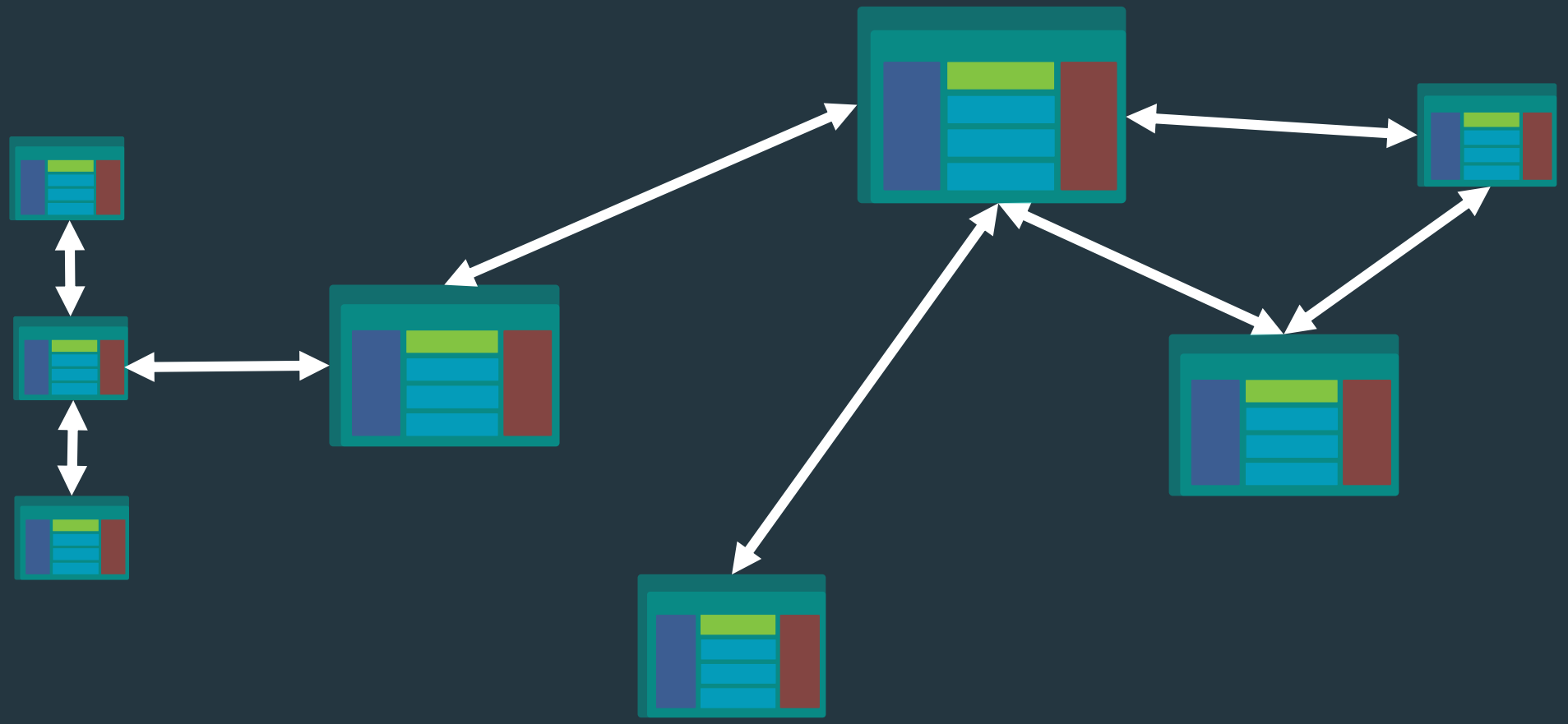

DEVELOPMENT
DEPLOYMENT
FEEDBACK

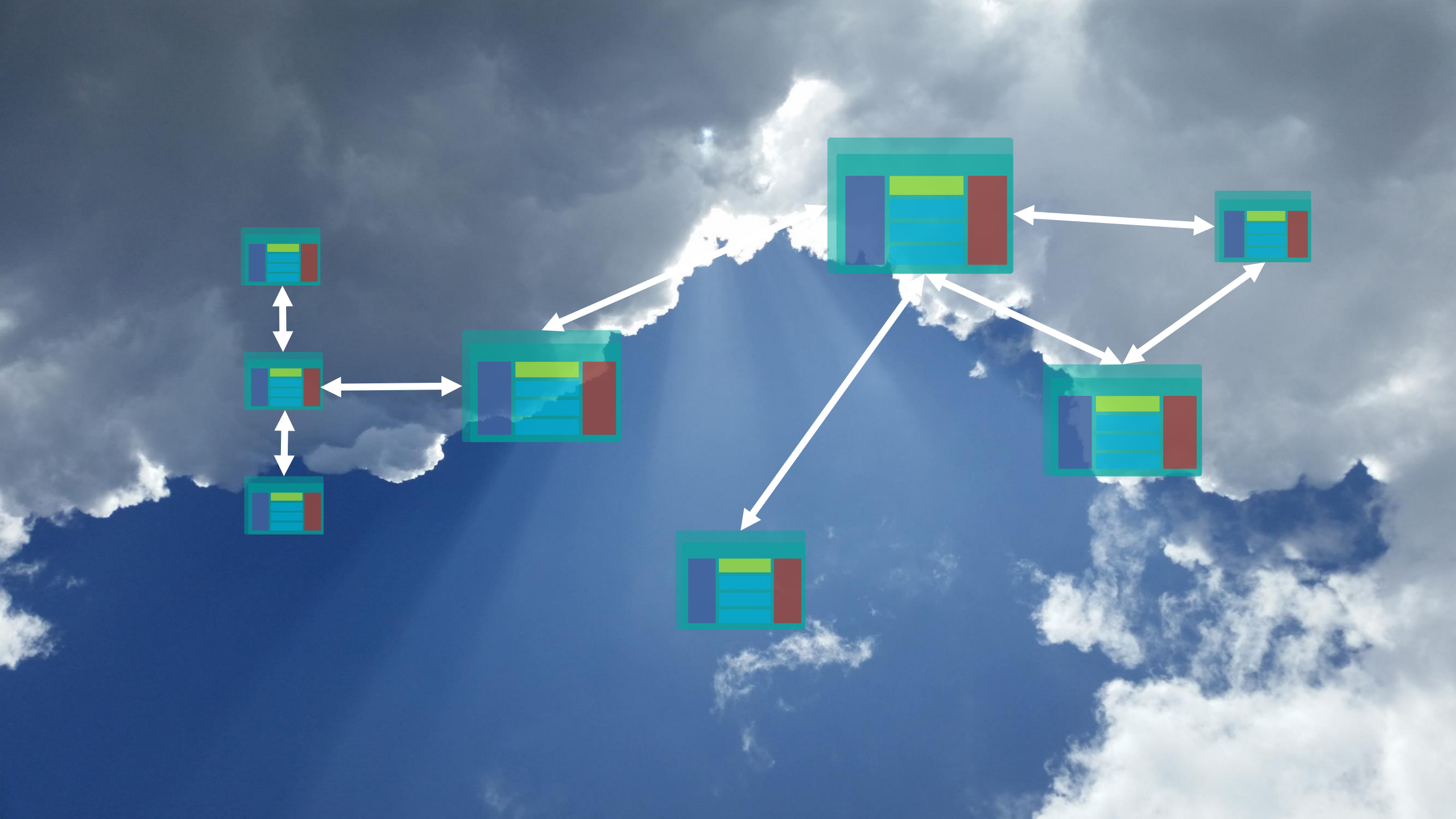

DEVELOPMENT
DEPLOYMENT
FEEDBACK

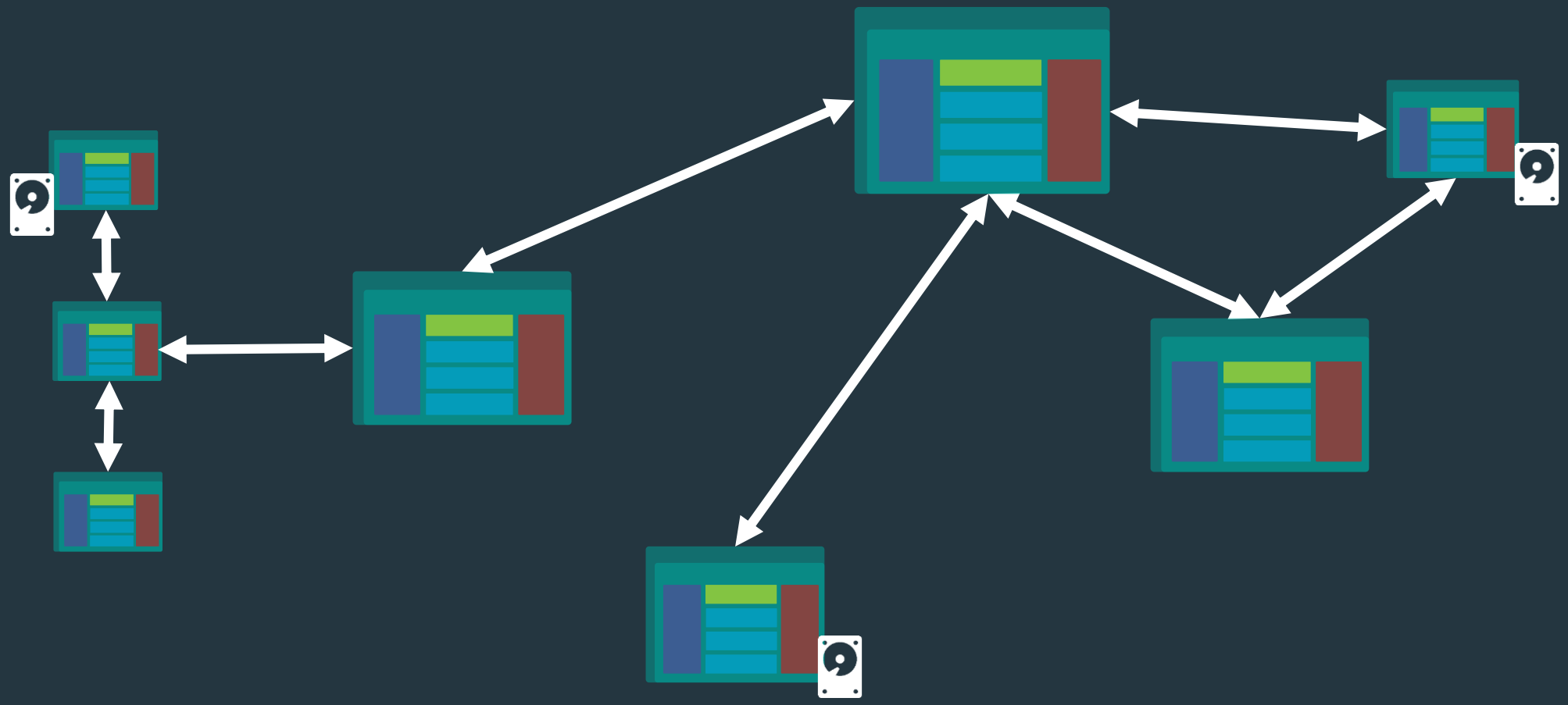
MONITORING

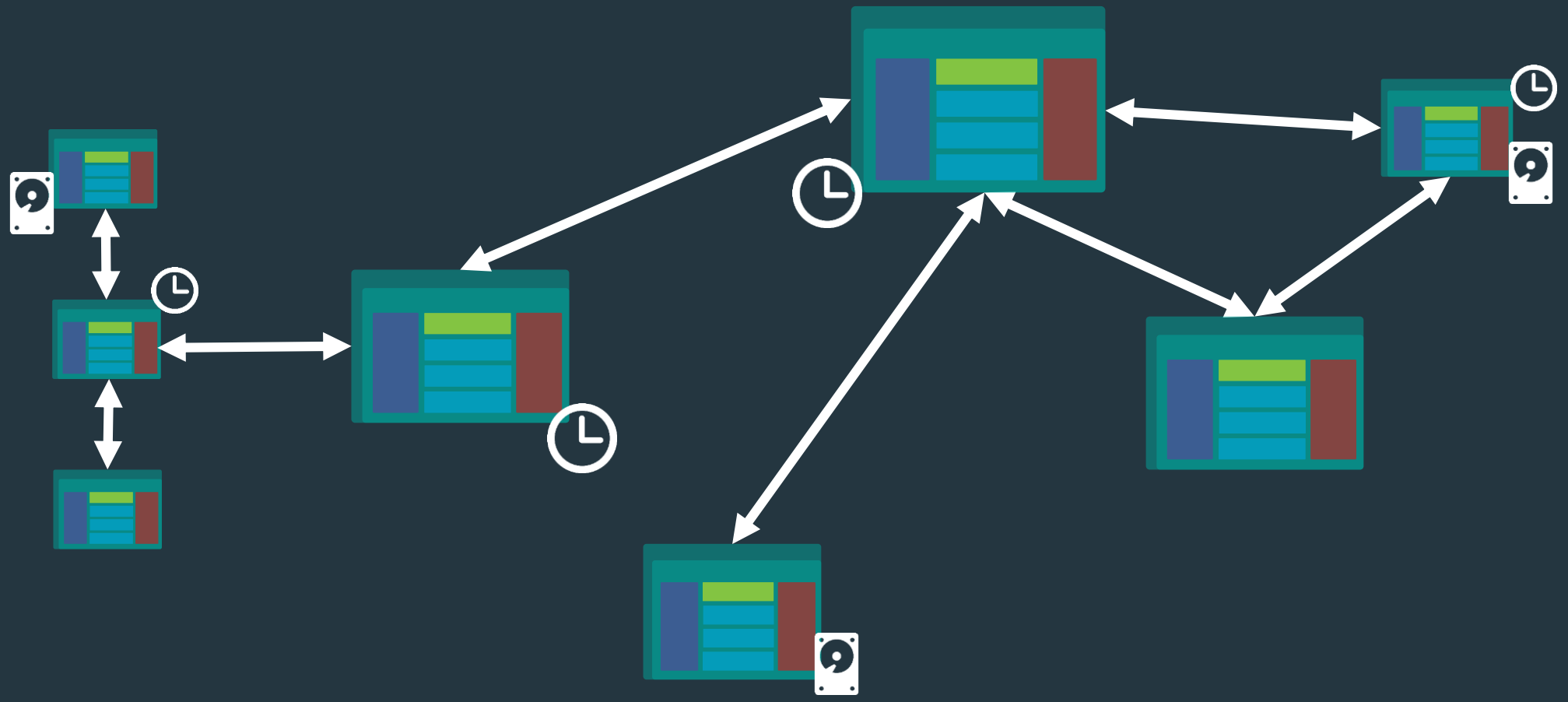
- Sicherheit
- Performance
- User Metrics
- Anforderungen
- Ressourcen
- Kosten

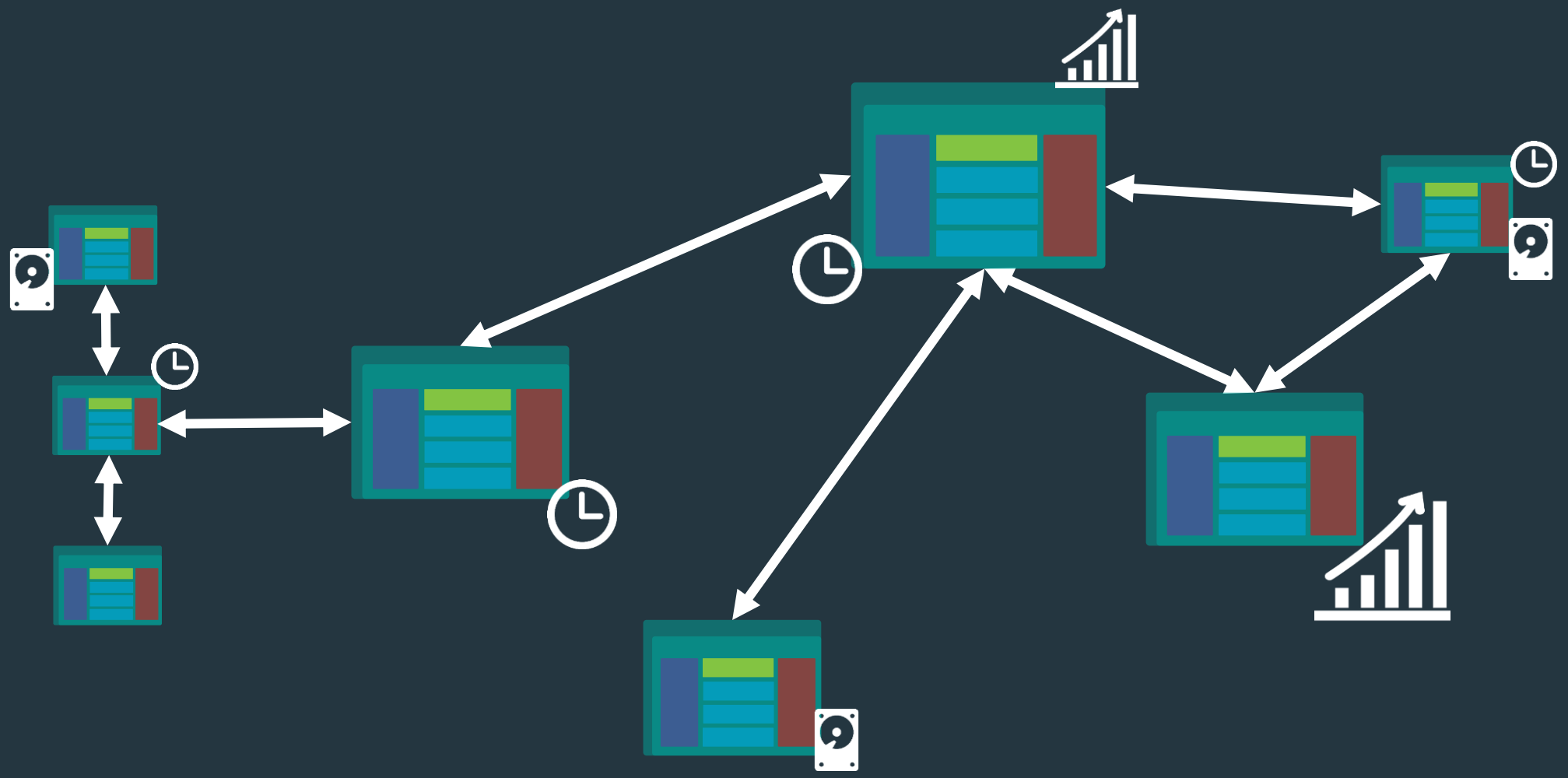

DEVELOPMENT
DEPLOYMENT
FEEDBACK
MONITORING

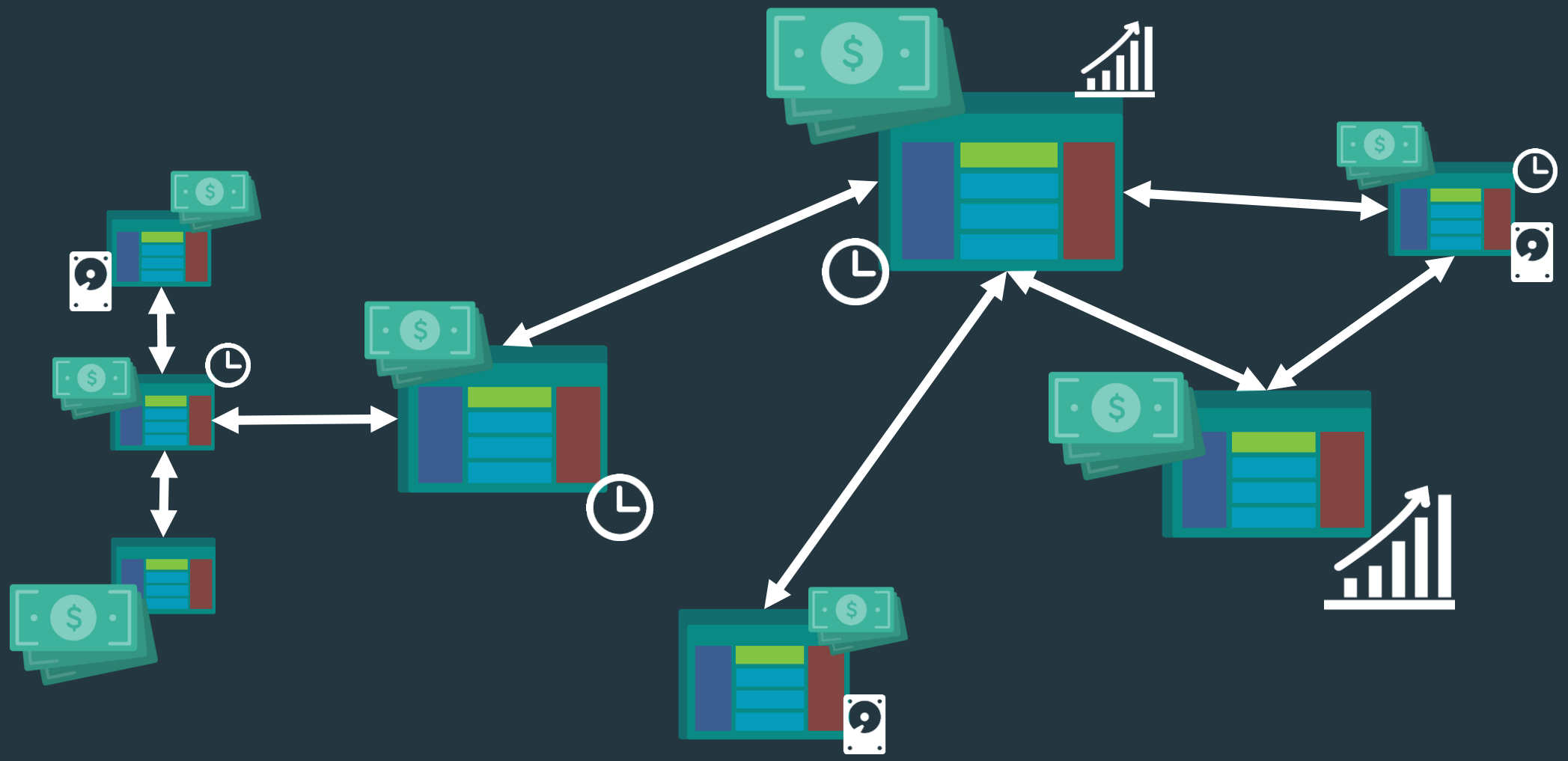


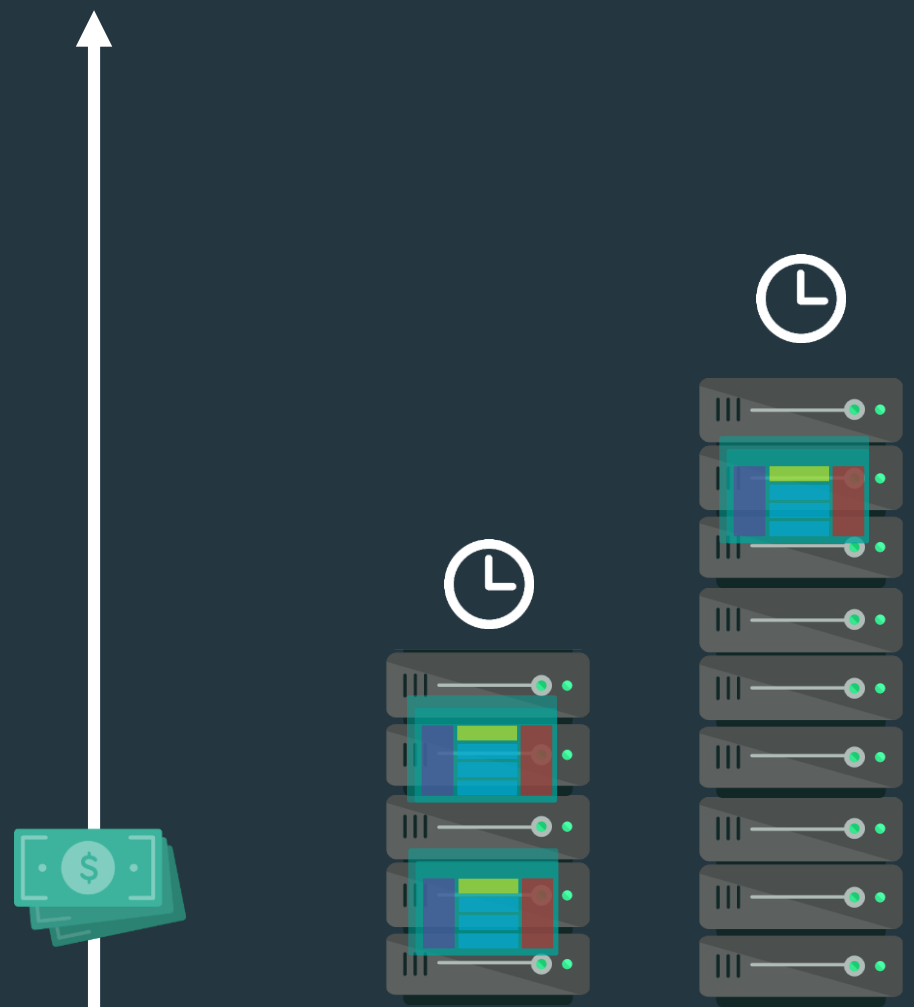


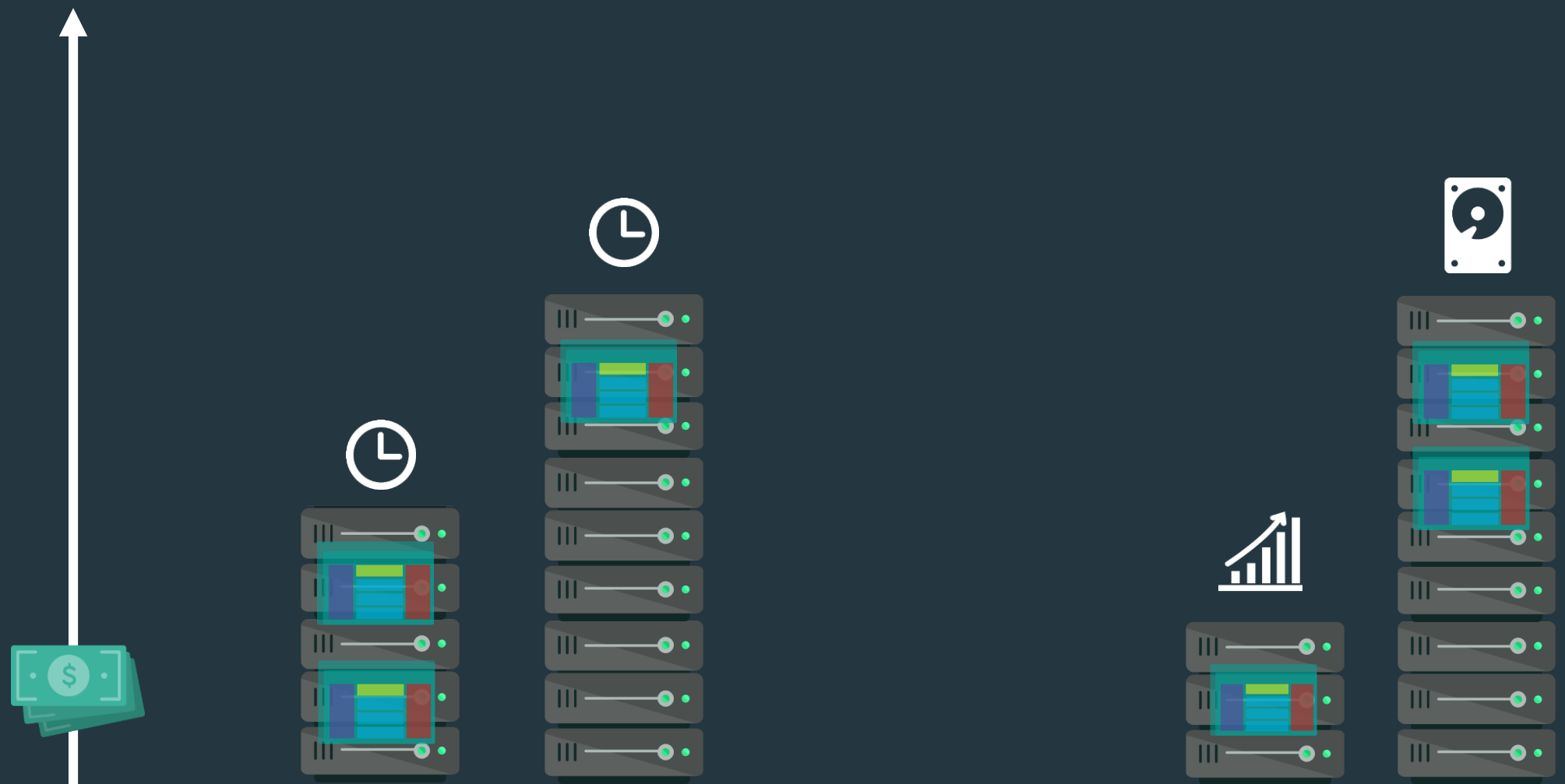








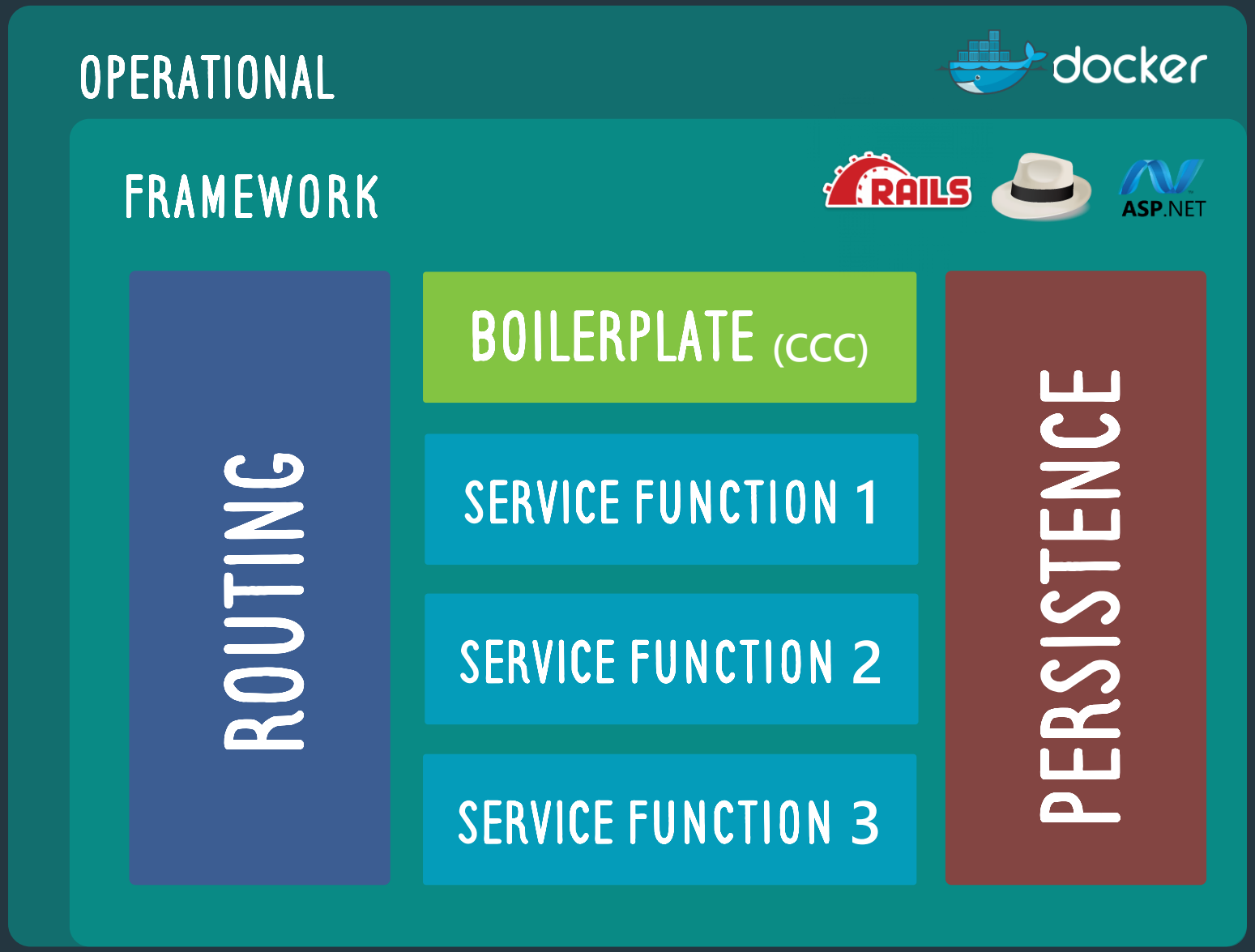




OPERATIONAL

OPERATIONAL

FRAMEWORK


OPERATIONAL
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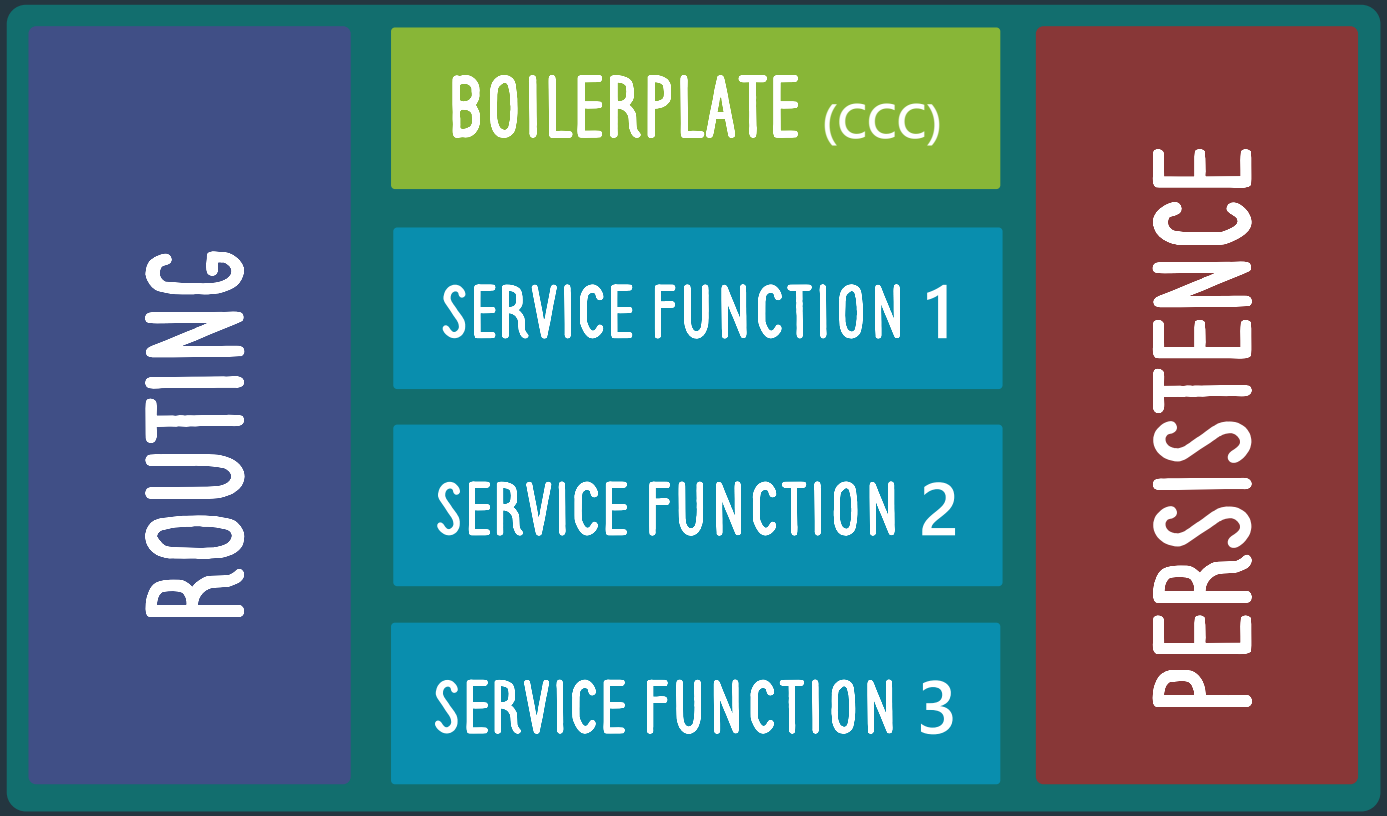
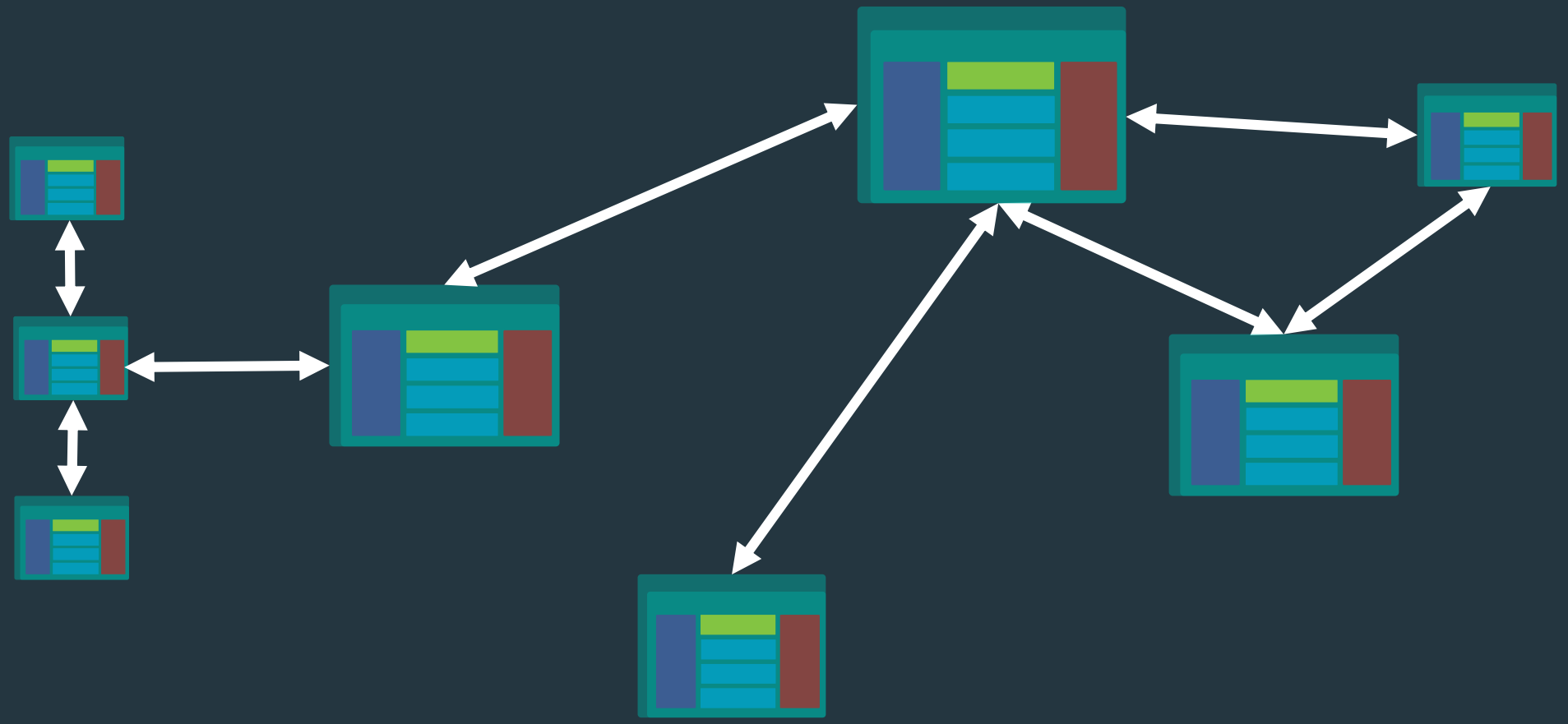
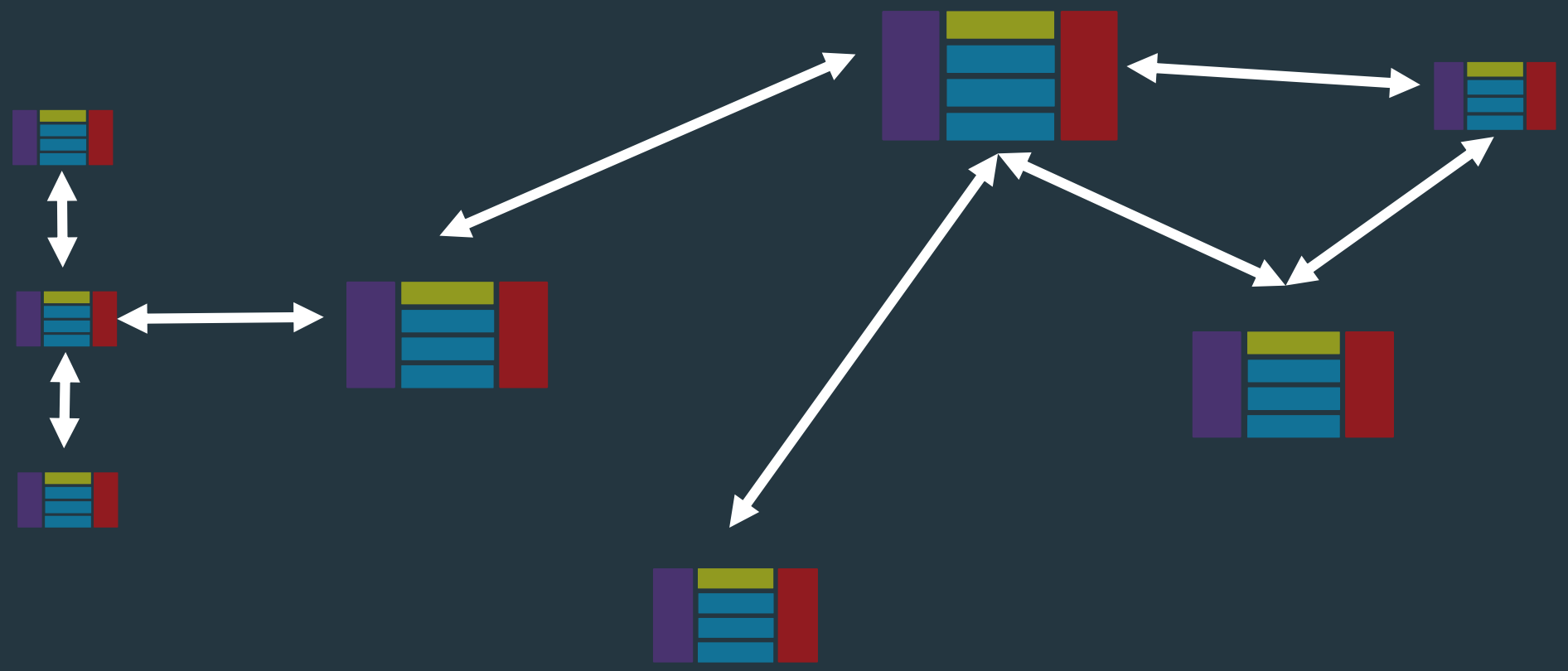
FRAMEWORK
RAILS
ASP.NET
ROUTING
BOILERPLATE (CCC)
SERVICE FUNCTION 1
SERVICE FUNCTION 2
SERVICE FUNCTION 3
PERSISTENCE

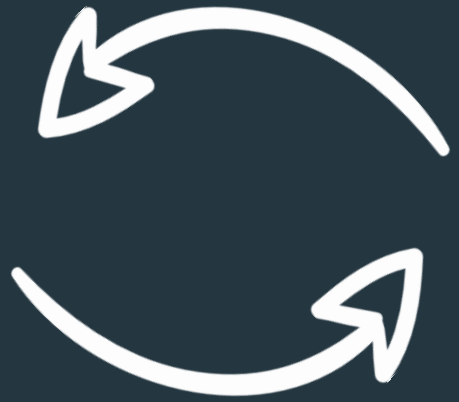

ROUTING
BOILERPLATE (CCC)
SERVICE FUNCTION 1
SERVICE FUNCTION 2
SERVICE FUNCTION 3
PERSISTENCE

PAAS

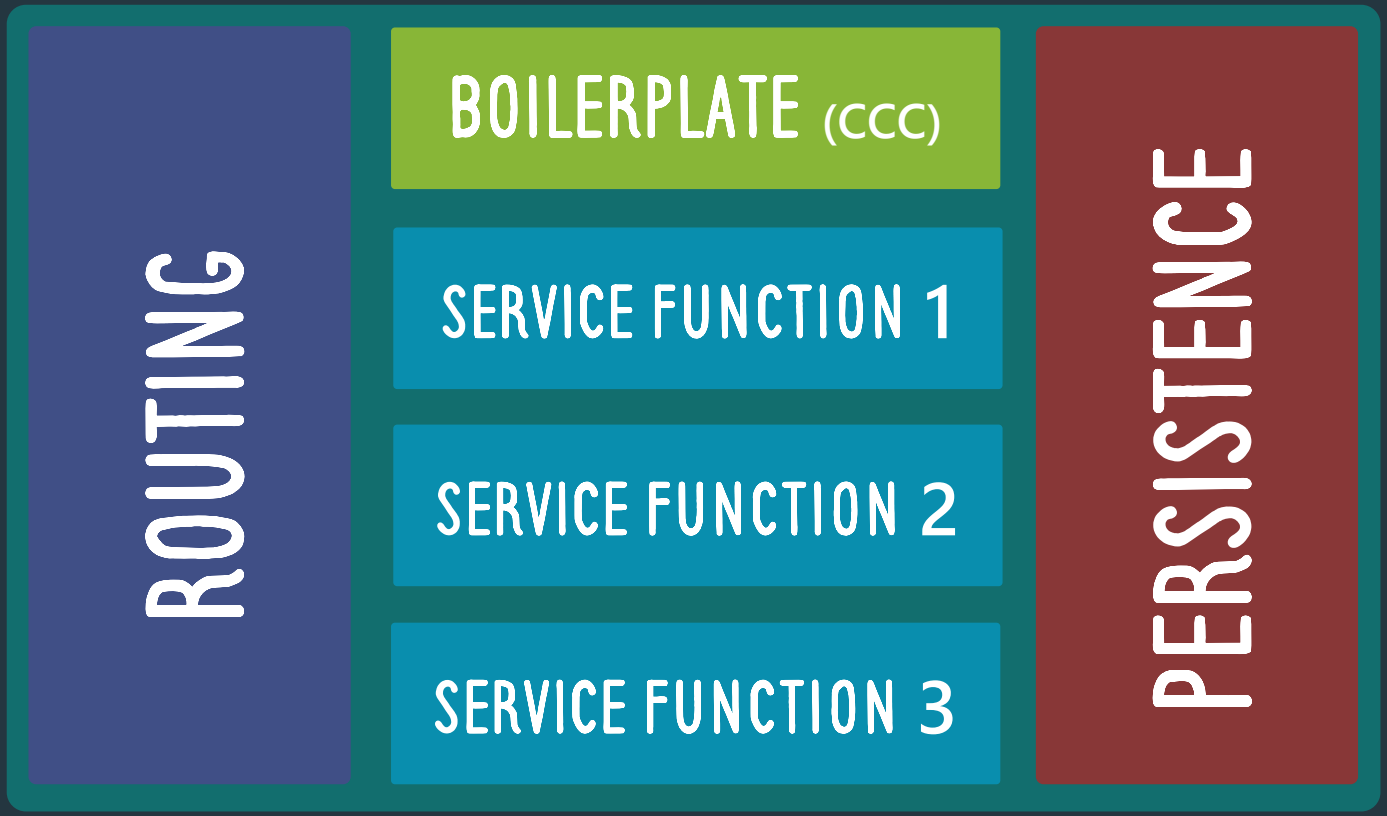


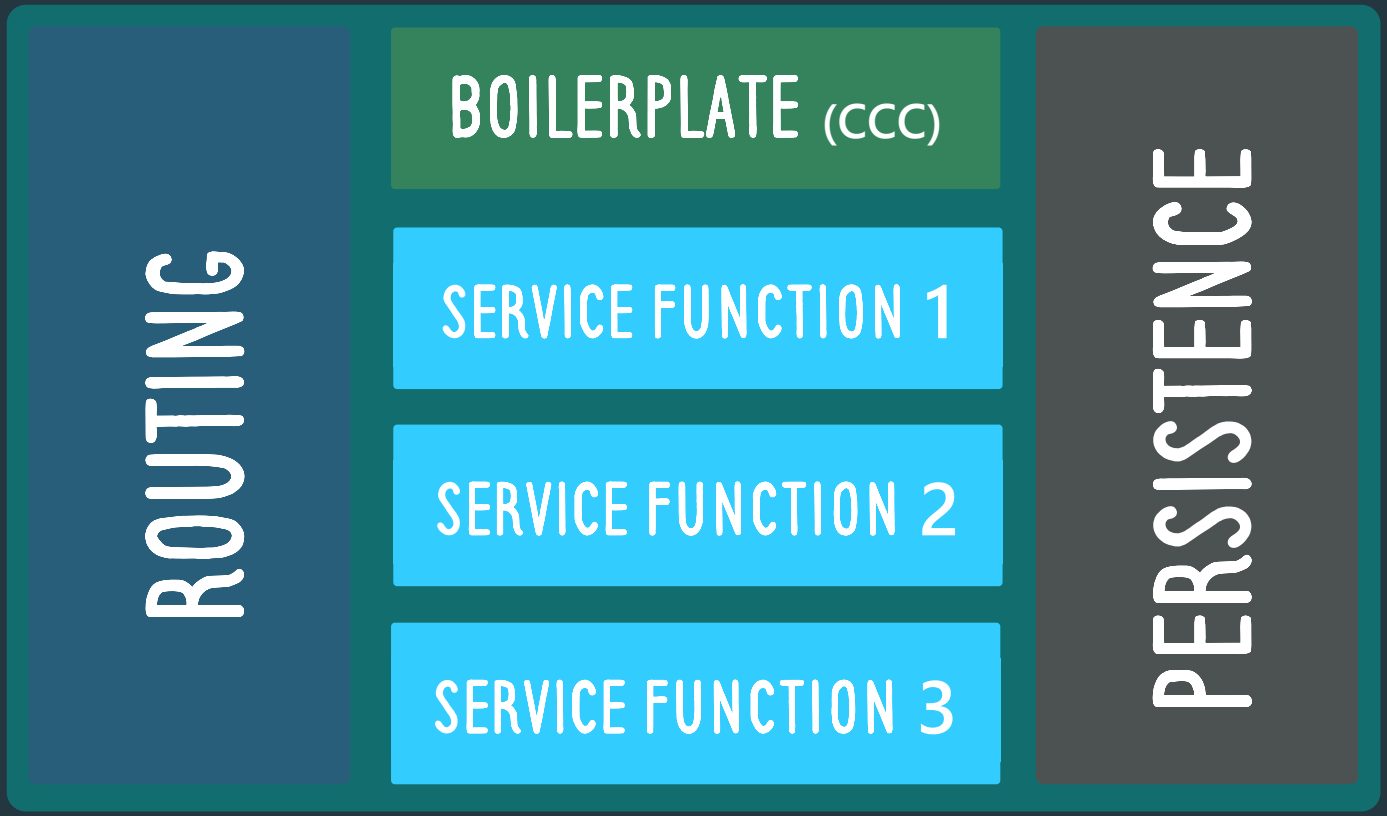


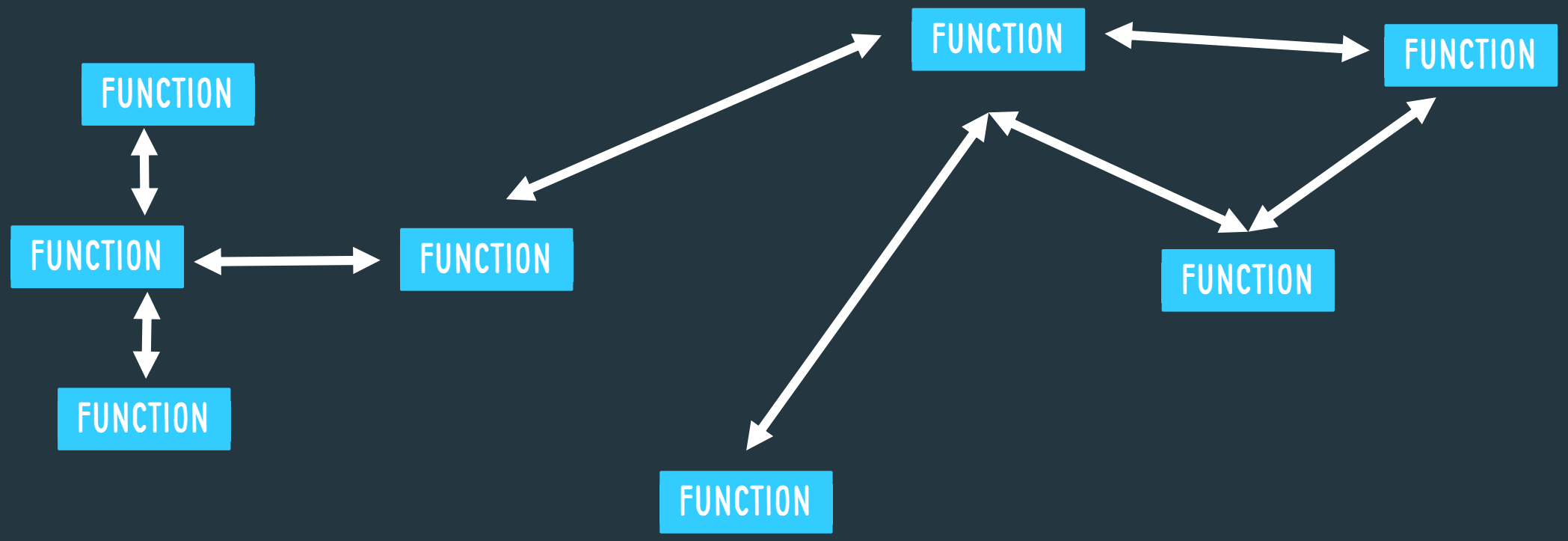
DEVELOPMENT
DEPLOYMENT



FEEDBACK


ROUTING
BOILERPLATE (CCC)
SERVICE FUNCTION 1
SERVICE FUNCTION 2
SERVICE FUNCTION 3
PERSISTENCE


ROUTING
BOILERPLATE (CCC)
SERVICE FUNCTION 1
SERVICE FUNCTION 2
SERVICE FUNCTION 3
PERSISTENCE


FUNCTION
FUNCTION
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FUNCTION
FUNCTION

SERVERLESS ARCHITECTURE

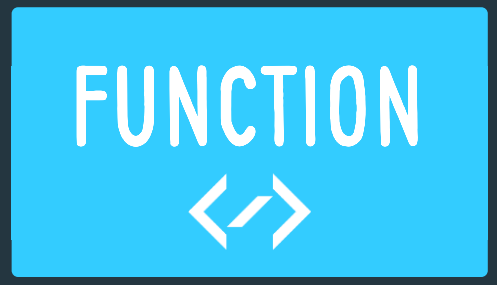
SERVERLESS ARCHITECTURE

Azure Functions

AWS Lambda

CLOUD FUNCTIONS

FUNCTION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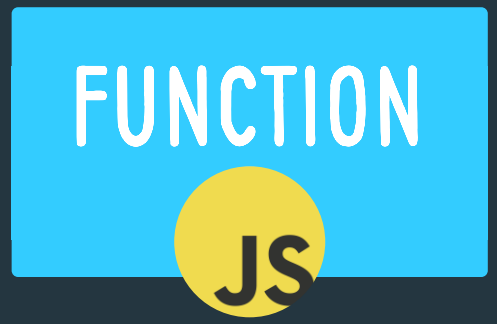
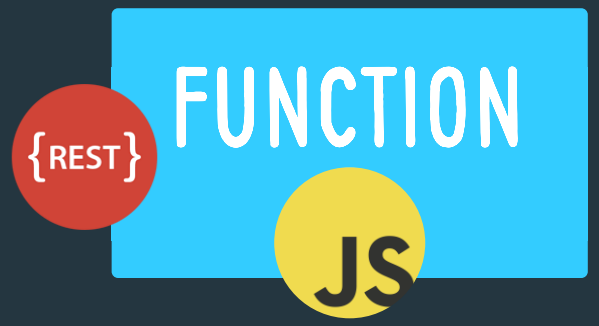
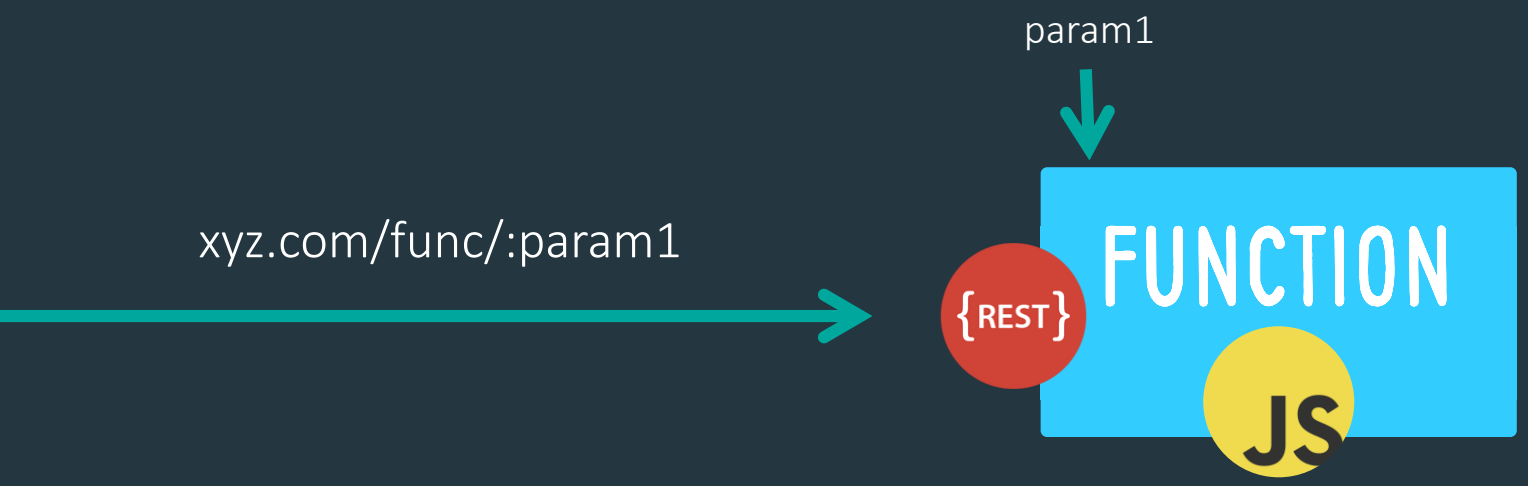


Func-Def:

Javascript

xyz.com/func




param1
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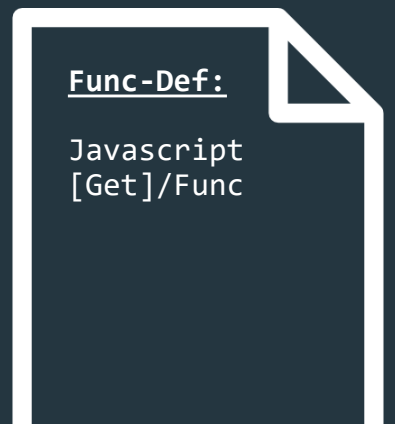
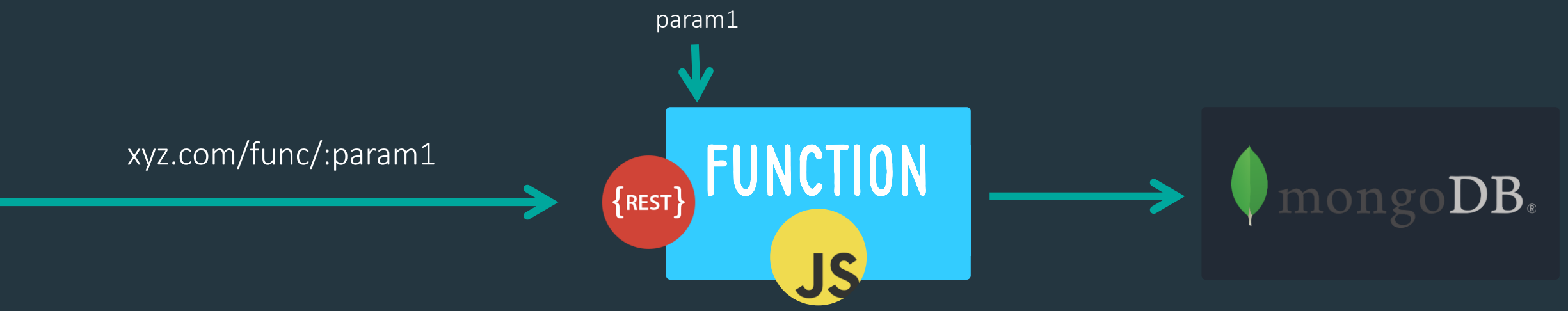
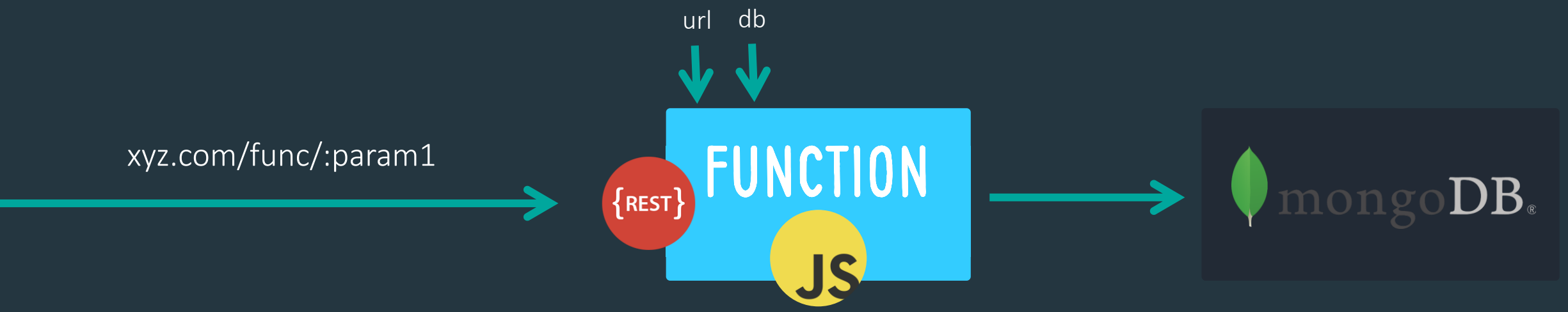
{REST}
FUNCTION
JS


Func-Def:
Javascript
[Get]/Func



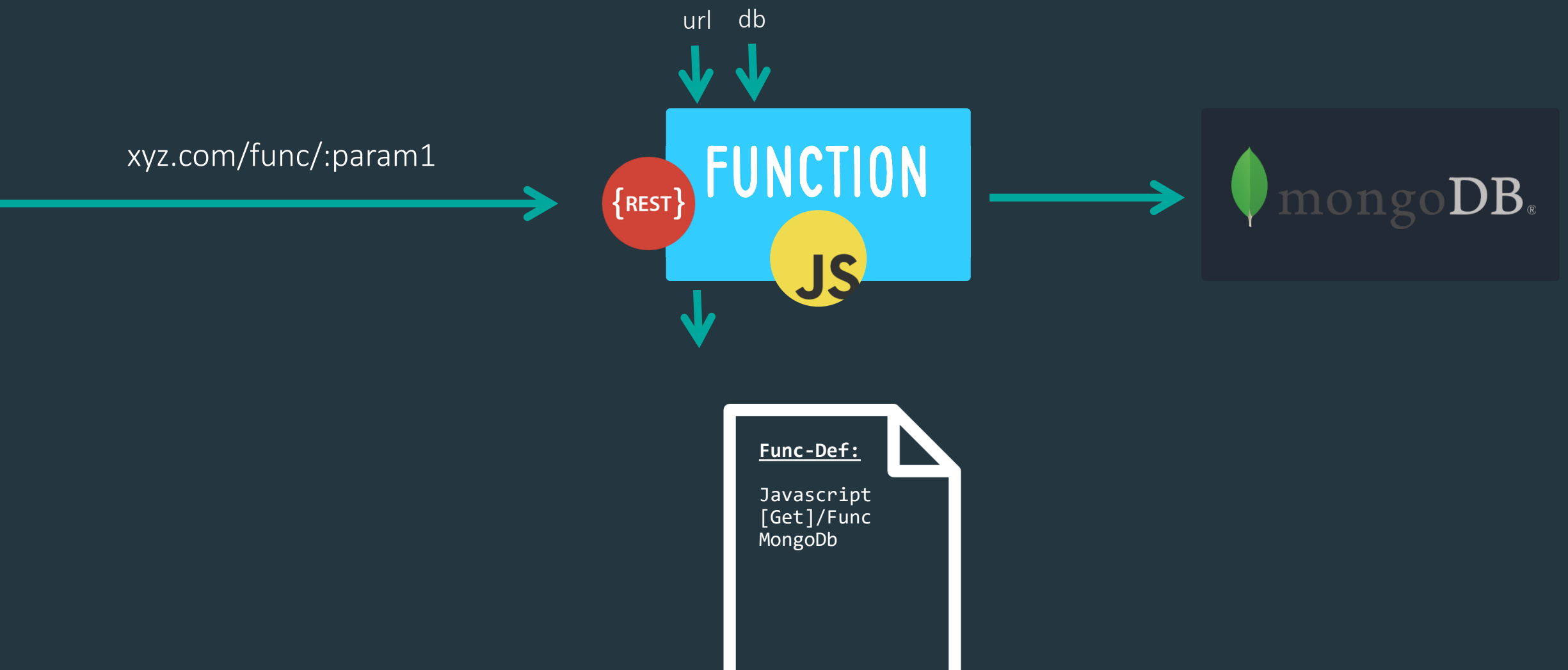
Func-Def:

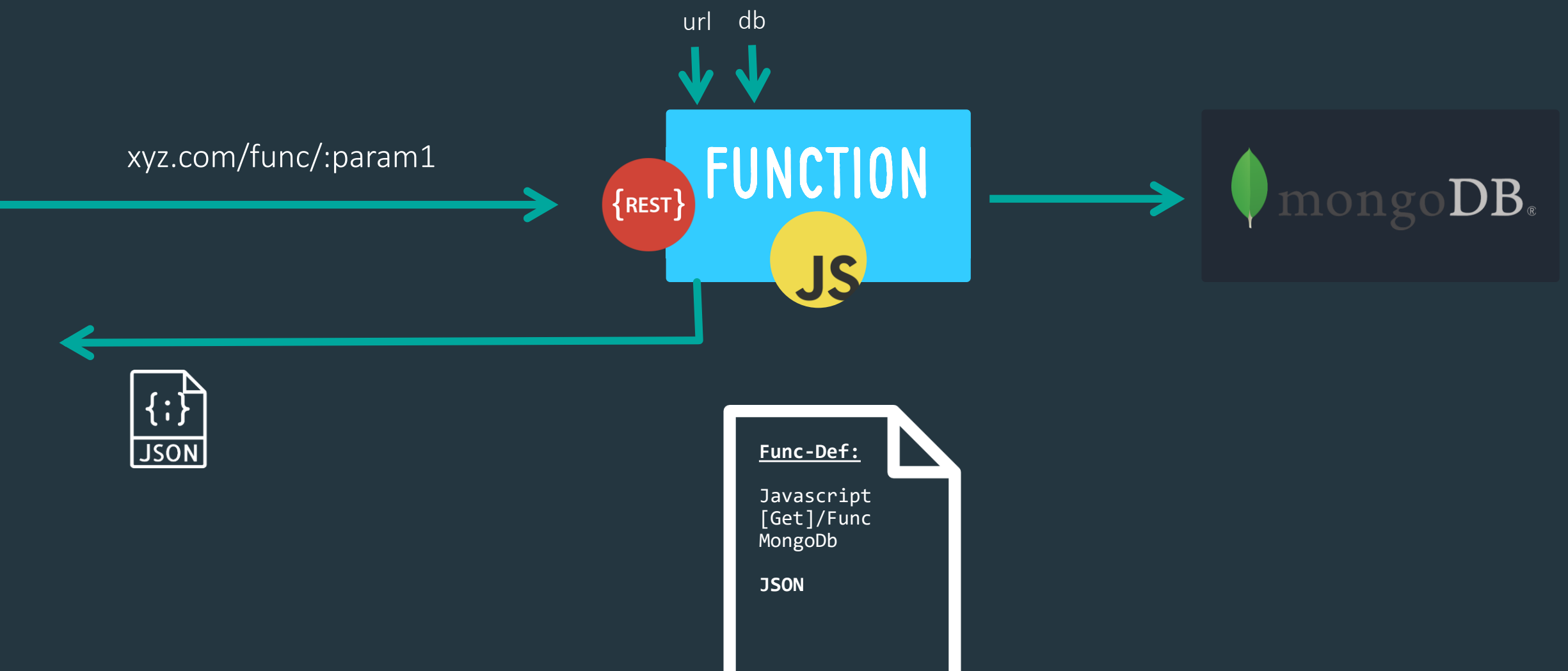
Javascript
[Get]/Func
MongoDb



Func-Def:

Javascript
[Get]/Func
MongoDb


xyz.com/func/:param1
url
db
{REST}
FUNCTION
JS
mongoDB
Func-Def:
Javascript
[Get]/Func
MongoDb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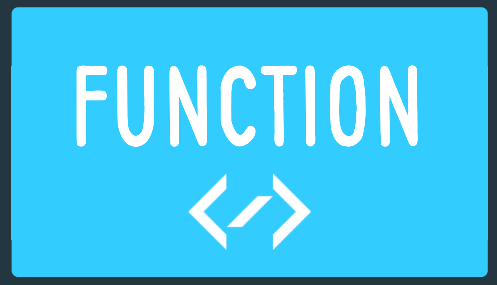
{REST}
FUNCTION
JS
mongoDB
JSON
Func-Def:
Javascript
[Get]/Func
MongoDb
JSON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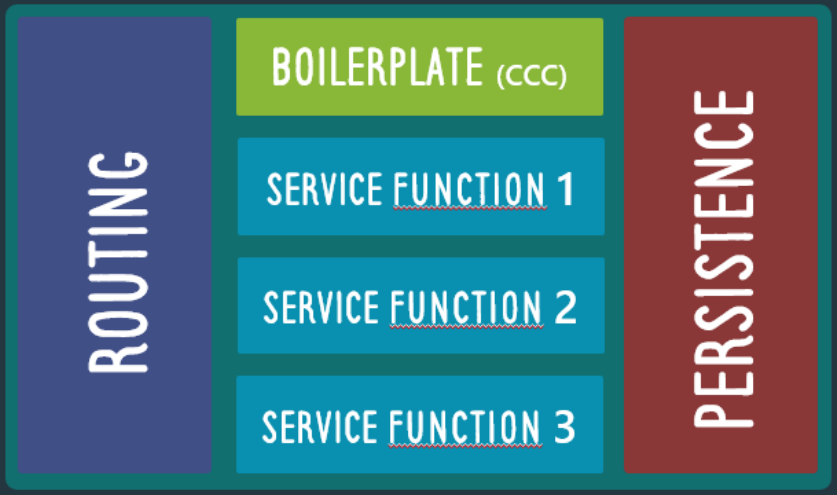
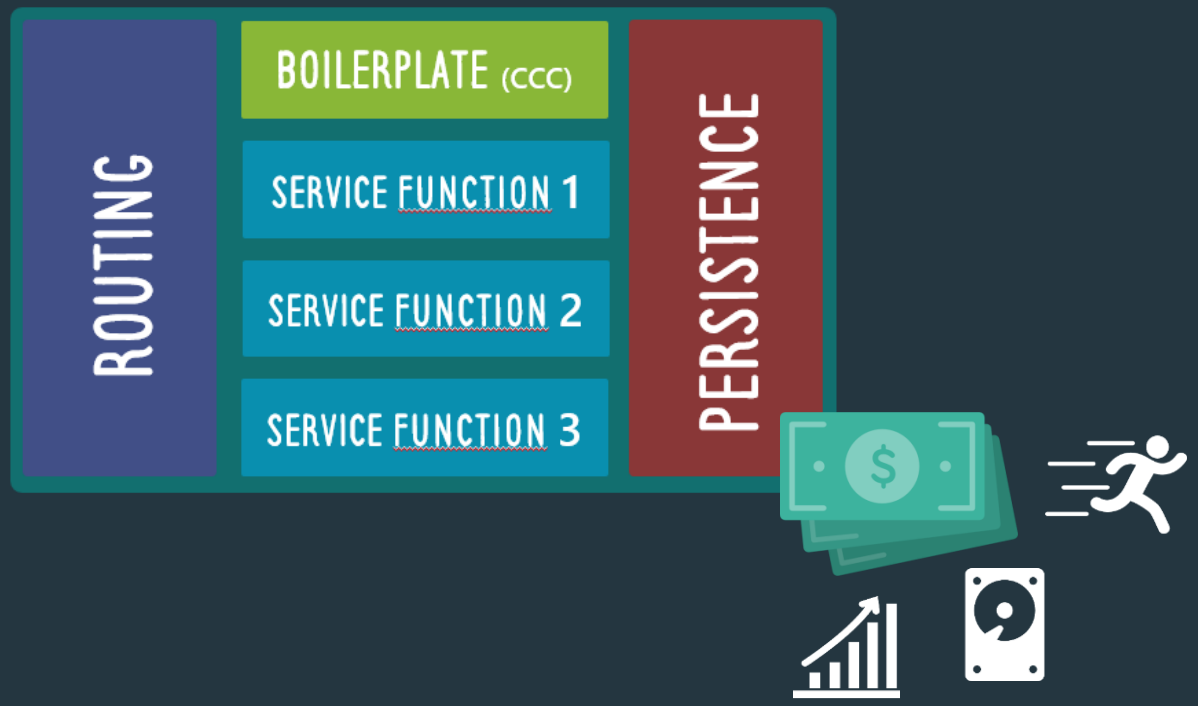
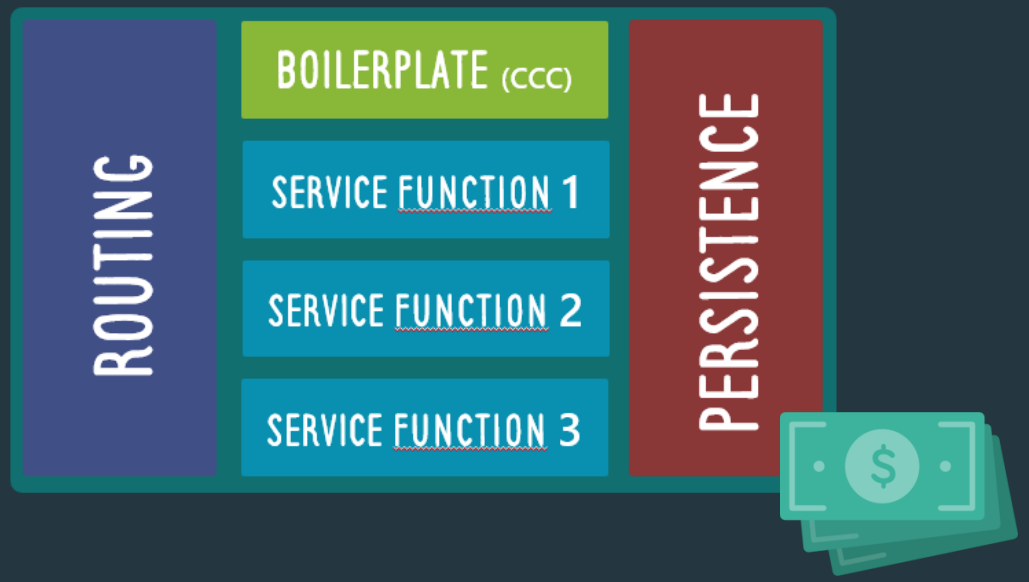

ROUTING
BOILERPLATE (CCC)
SERVICE FUNCTION 1
SERVICE FUNCTION 2
SERVICE FUNCTION 3
PERSISTENCE

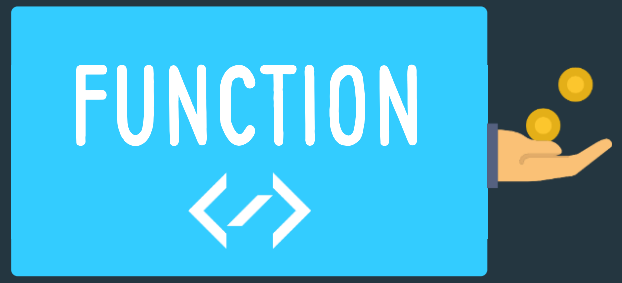
FIXKOSTEN


ROUTING
BOILERPLATE (CCC)
SERVICE FUNCTION 1
SERVICE FUNCTION 2
SERVICE FUNCTION 3
PERSISTENCE

FIXKOSTEN



PER REQUEST



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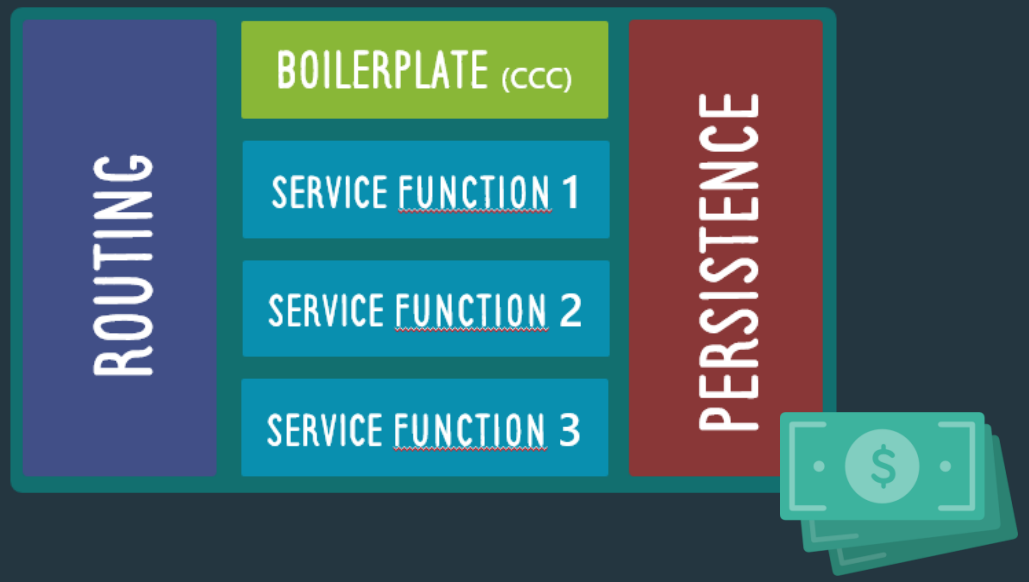

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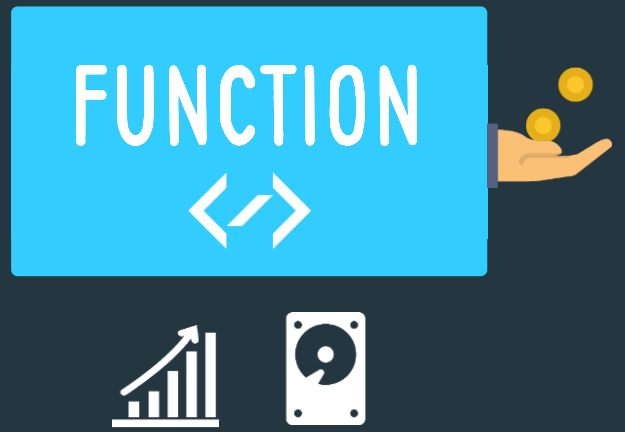
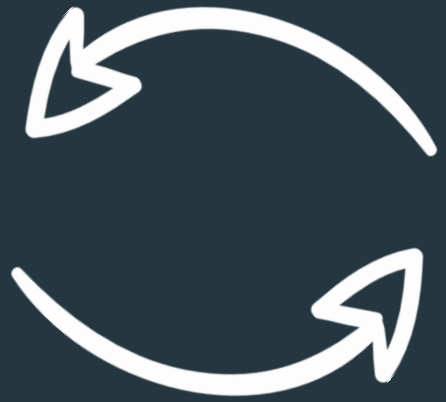


DEVELOPMENT
DEPLOYMENT



FEEDBACK

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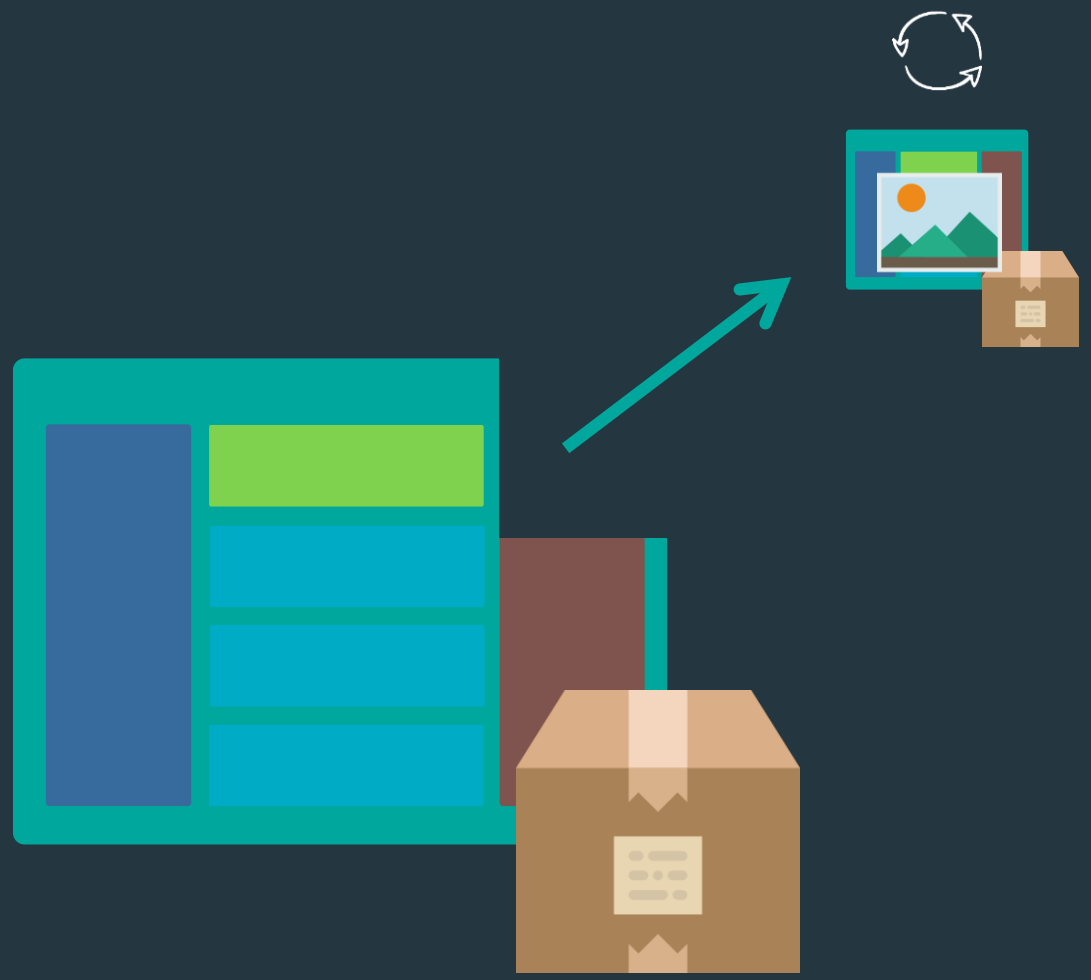

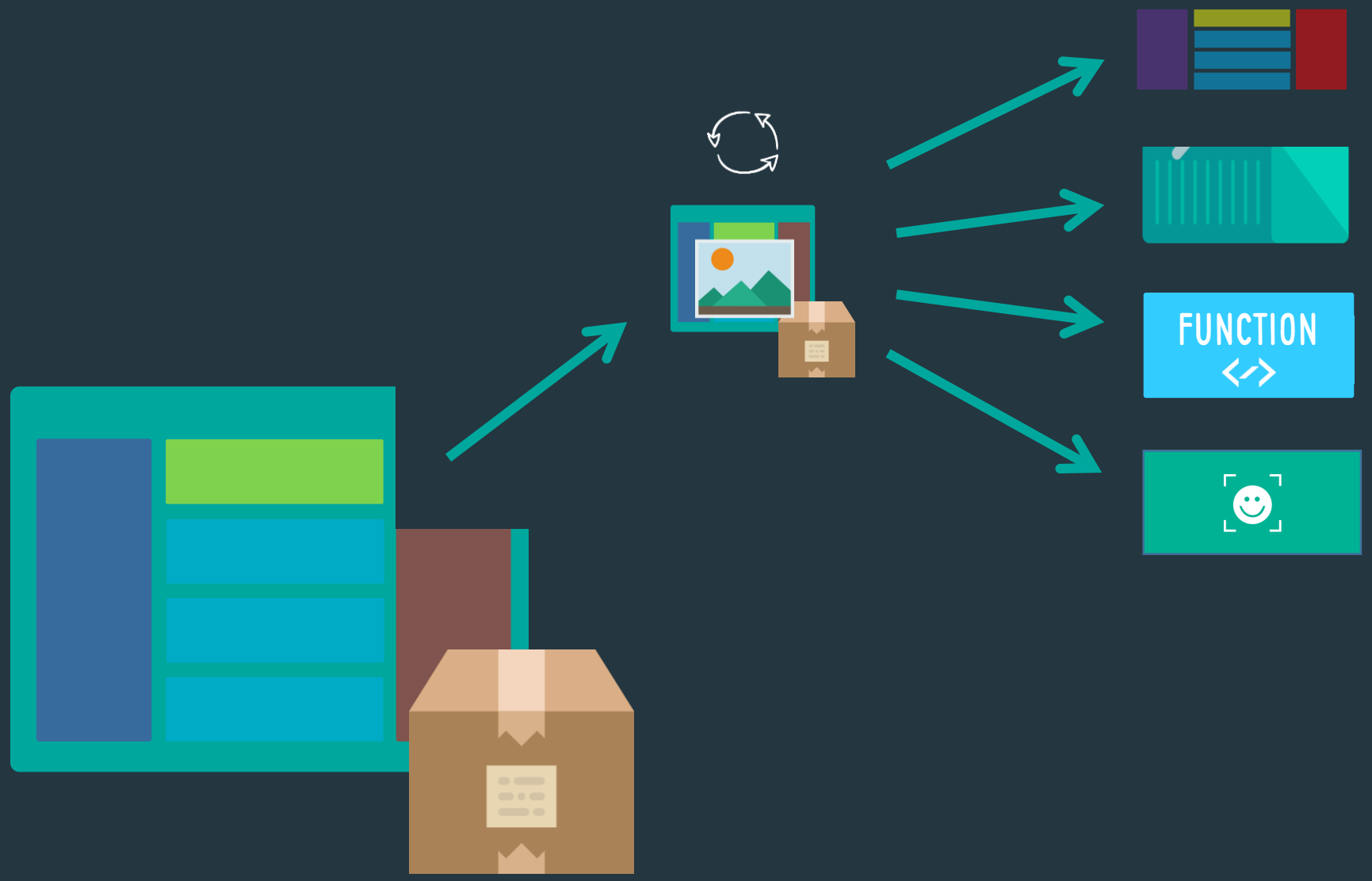
FUNCTION

FUNCTION

TECHTALK

I would love
to change the world

but they don‘t give me the source code

Developing. Together.

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Freitag, 20. Jänner

AZURE FOR DB ADMINISTRATORS