

# CQPI CLOUD, MCROSERVICES, DEVOPS E SRE

Fabio Seregni  
Software Architect



/ **1000+**  
Tech Certifications

/ **700+**  
IT Professionals

/ Present in  
**EMEA** Countries and **US**

/ **20000** training  
hours per year

/ **10000**  
Items Remotely managed  
as a Service

/ Methodology  
ISO **27001**, ISO **20000**  
ISO **9001**  
**DEVOPS, SRE**



/ **200**  
TOP customers

/ **60+**  
Fortune 2000 customers

/ **PROJECT**  
**MANAGEMENT**

Methodology based on:  
Prince2 Practitioner  
Agile SCRUM/XP

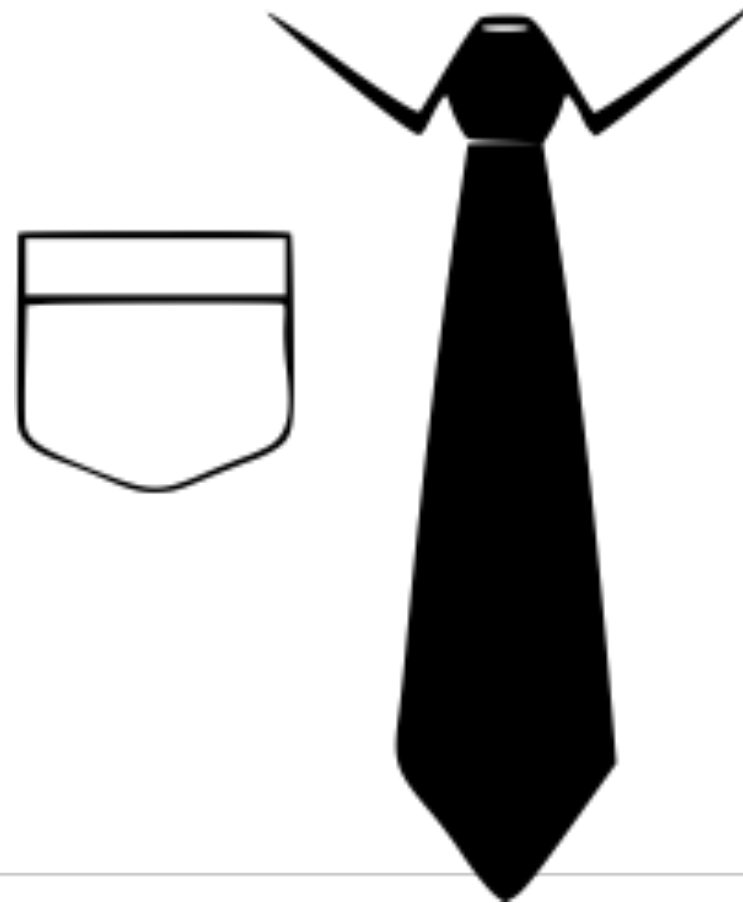
/ 50+  
**TECHNICAL**  
**SIRCLES**  
Agile Enterprise

# FABIO SEREGNI

- 18 years experience on IT
- Java Senior Developer
- Software Architect
- Agile Passionate
- Scrum Master



SOFTWARE  
ARCHITECTURE



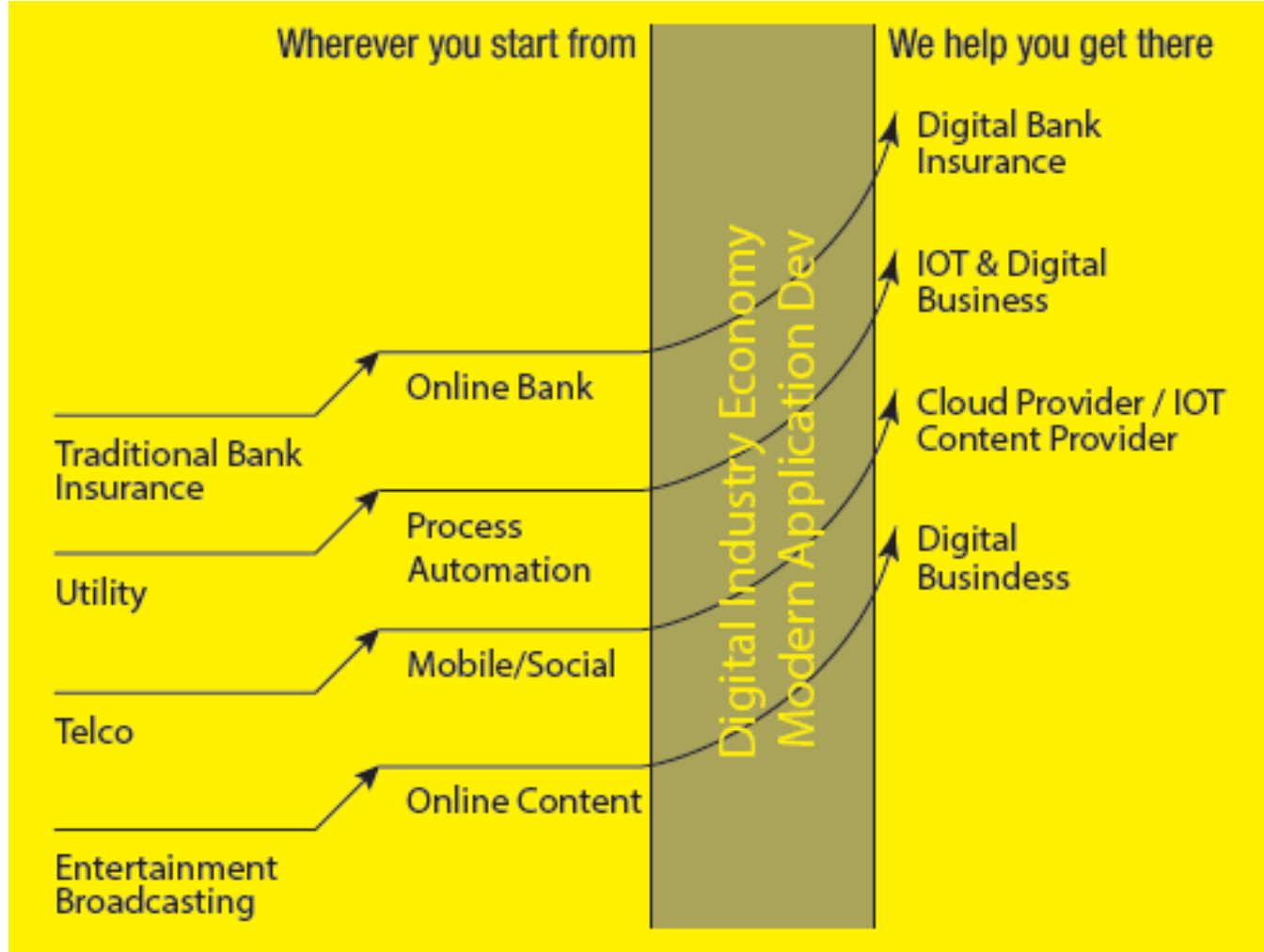
# OBIETTIVI



**“FARE ORDINE”**  
Basandoci sulla nostra  
esperienza  
(VENDOR INDEPENDENT)

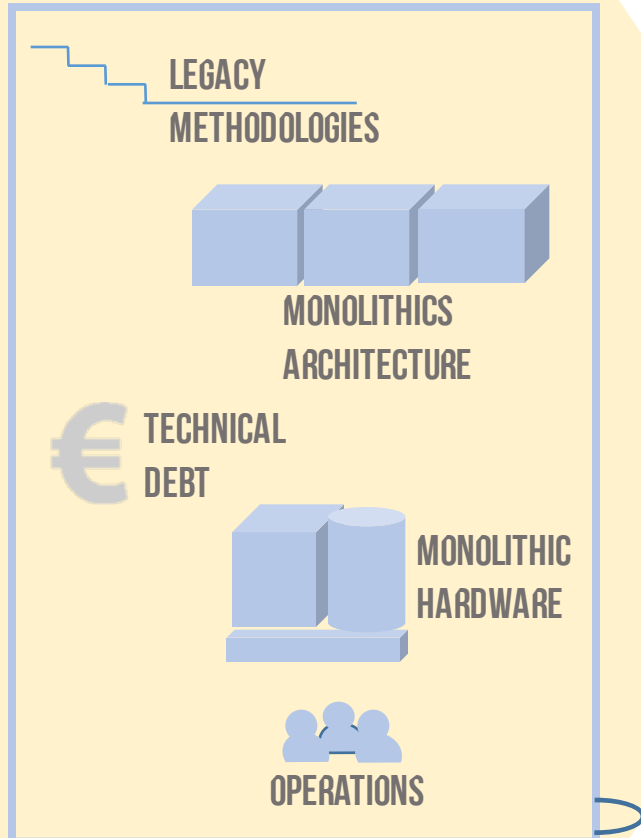


**“DARE UN SENSO”**  
alle BUZZWORDS  
ed alle KEYWORDS



OPPORTUNITIES

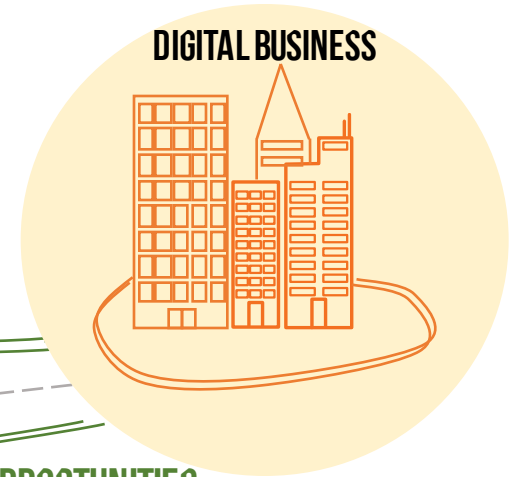
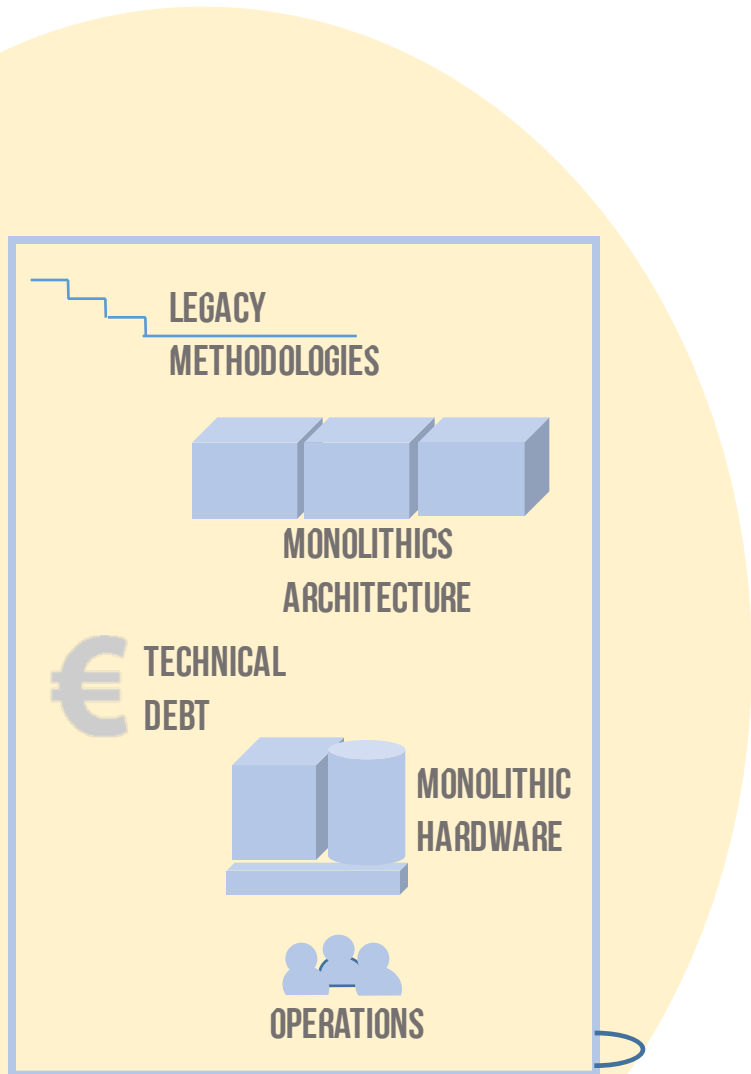
# YOU NEED A STRATEGY



# YOUR STRATEGY TO GET DIGITAL OPPORTUNITIES



# YOUR STRATEGY TO GET DIGITAL OPPORTUNITIES



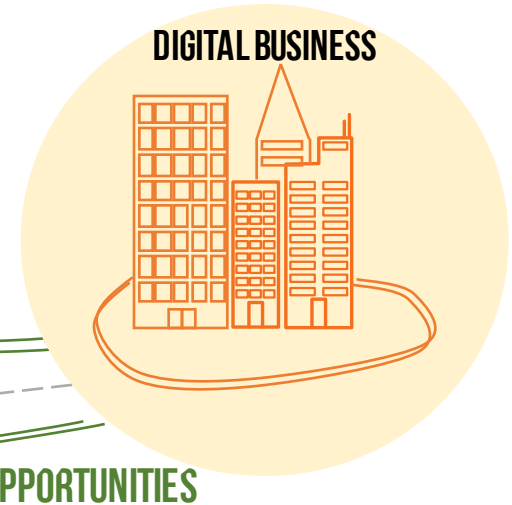
OPPORTUNITIES



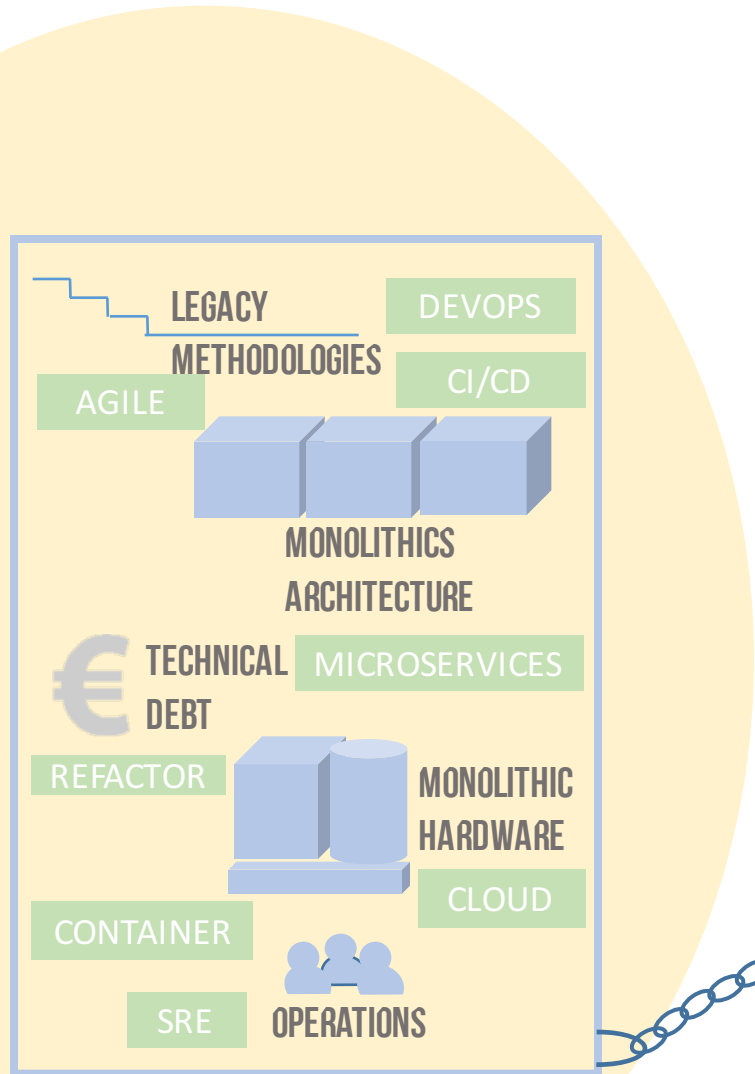
# YOUR STRATEGY TO GET DIGITAL OPPORTUNITIES GET STUCK



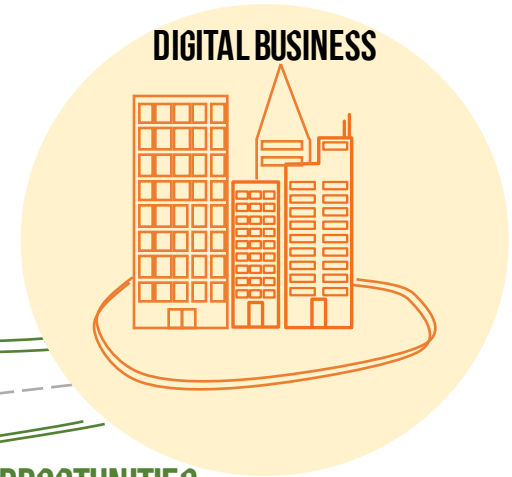
**YOUR STRATEGY  
TO GET DIGITAL  
OPPORTUNITIES  
GET STUCK  
YOU NEED  
NEW APPROACHES**



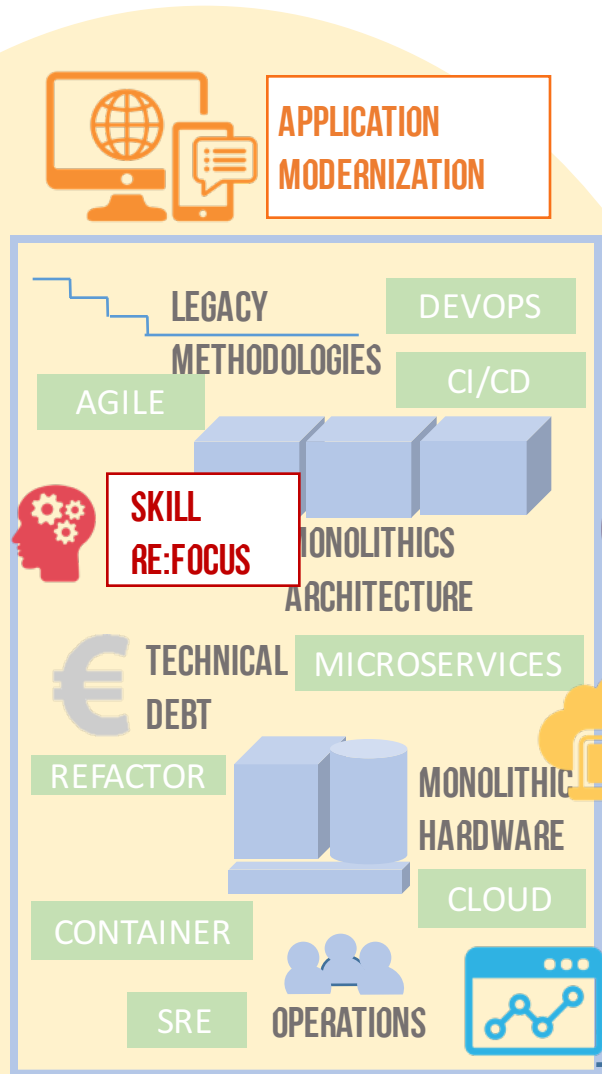
**OPPORTUNITIES**



**YOUR STRATEGY  
TO GET DIGITAL  
OPPORTUNITIES  
GET STUCK  
YOU NEED  
NEW APPROACHES  
YOU NEED AN  
ACTION PLAN**



OPPORTUNITIES



OPENSOURCE ADOPTION



CLOUD STRATEGY



NEXTGEN OPERATIONS



MODERN APPLICATION DEVELOPMENT

# YOU NEED AN ACTION PLAN



MODERN APPLICATION  
DEVELOPMENT



APPLICATION  
MODERNIZATION



SKILL  
RE:FOCUS



NEXTGEN  
OPERATIONS



OPENSOURCE  
ADOPTION



CLOUD  
STRATEGY



# YOU NEED AN ACTION PLAN



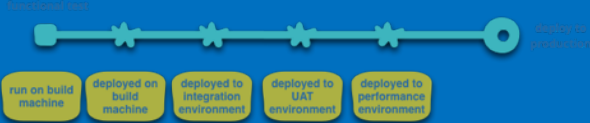
## METHODOLOGY



AGILE  
SCRUM, XP...



CONTINUOUS INTEGRATION  
CONTINUOUS DELIVERY



TDD  
BDD

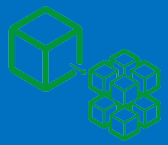


## MODERN APPLICATION DEVELOPMENT

Plan and deploy innovative software architecture patterns to modernize the Software lifecycle, enhancing innovation on methodology, architectural and infrastructural level. Move quickly and creatively to gain agility, scalability, capacity, speed and to reduce time to market.

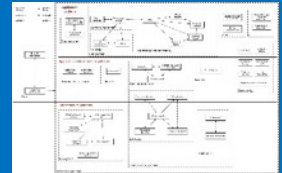
## ARCHITECTURE

MICROSERVICES



EVENT DRIVEN

PATTERN  
CQRS, EVENT LOGGING



AVOIDING VENDOR LOCK-IN

## INFRASTRUCTURE

CLOUD



IaaS PaaS CaaS FaaS

INFRASTRUCTURE AS A CODE



# YOU NEED AN ACTION PLAN



**APPLICATION MODERNIZATION**

Be aware of your priority, assessing your application from a "Business Value" point of view. Lead the organization to setup the modernization path as a whole, achieve the short term and long term together.

**METHODOLOGY**

Effort

Rehost Refactor Rearchitect Rebuild Replace

Cloud Native

DDD  
CDD  
BCDD

Business capabilities: Product catalog management, Inventory management, Order management, Delivery management

Application architecture: Product catalog management, Inventory management, Order management, Delivery management

**ARCHITECTURE**

MINISERVICES  
MICROSERVICES

API MANAGEMENT

Monolithic Application

Single Instance

CLIENT BROWSER

Monolith - single database

Microservices - application database

CLOUD READY

**INFRASTRUCTURE**

**AUTOMATION!**

compile, unit and functional test | acceptance test | integration test | user acceptance test | performance test

run on build machine | deployed on build machine | deployed to integration environment | deployed to UAT environment | deployed to performance environment

deploy to production

**INFRASTRUCTURE AS A CODE**

CLOUD  
IaaS CaaS

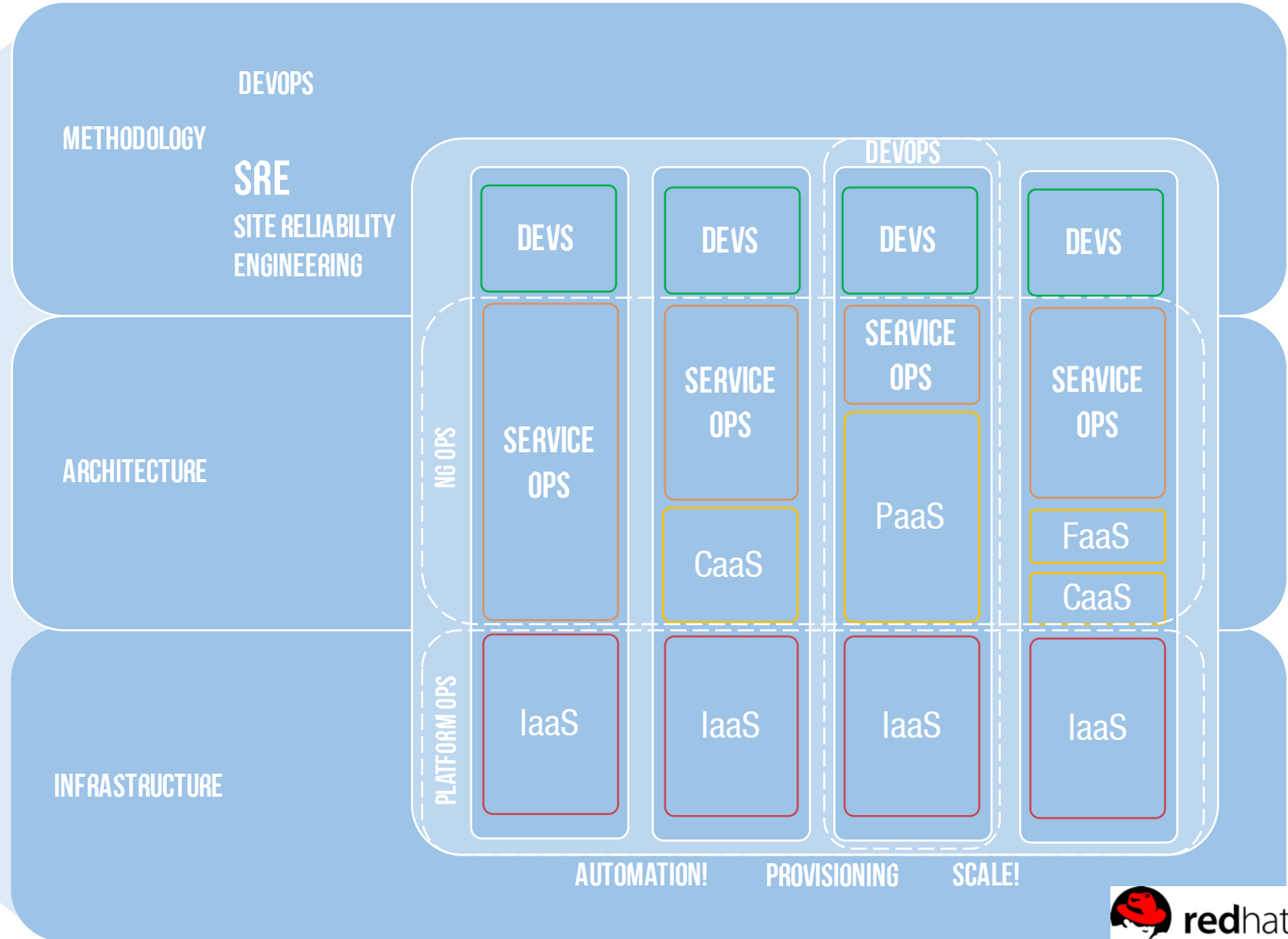


# YOU NEED AN ACTION PLAN



## NEXTGEN OPERATIONS

Manage 24x7 increasing the IT operations agility and continuous improvement. Continuous Proactive Monitoring tools to control and monitor the hybrid environments, and to test and predictive legacy and innovative environments. Automating modern architecture and lightweight infrastructure management to improve flexibility and scalability.

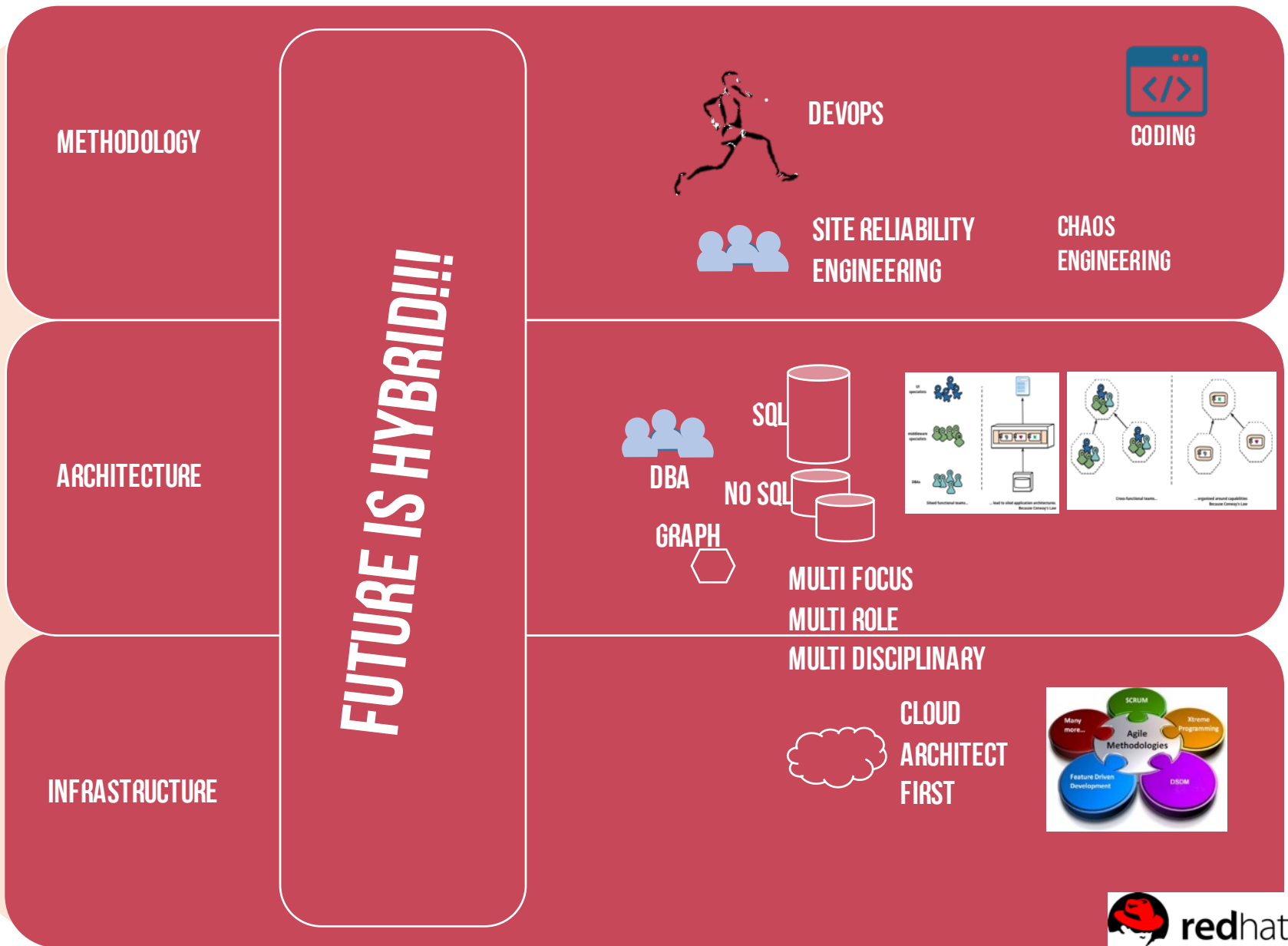




# YOU NEED AN ACTION PLAN



Create innovation path not limited that includes training and workshops to prepare the teams to the new paradigms and methodologies.  
 In a time of great changes, the teams should be skilled to deliver richer experiences with greater velocity and agility, integrating traditional and modern software lifecycle.





# CQPI CLOUD, MCROSERVICES, DEVOPS E SRE THANKS!

## Q?

Fabio Seregni  
Software Architect





# RED HAT OPEN SOURCE DAY

Europe, Middle East & Africa



#redhatosd