


vCare & Lifebots workshop  
August 30<sup>th</sup> , 2022

## CHALLENGES FOR COMPONENTS INTEGRATION: POINTS FOR ATTENTION

ALVARO MARTINEZ (MYSOPHERA)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769807. 

1

## ABOUT ME

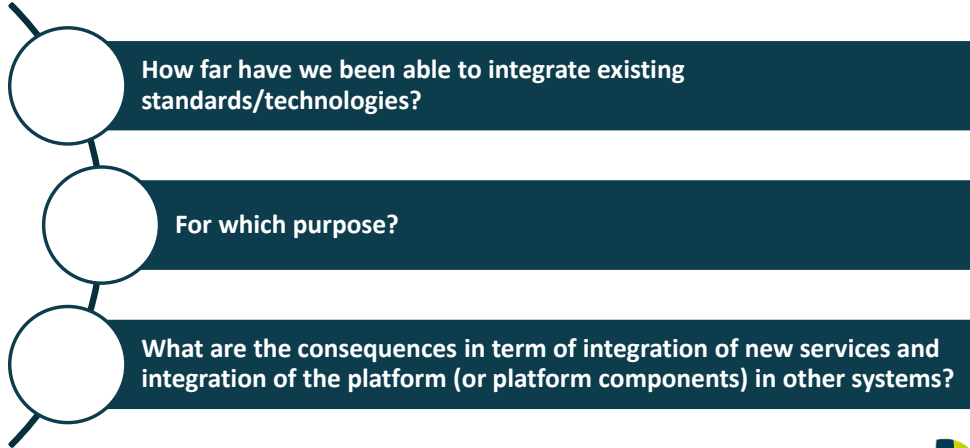
- **Short presentation**
  - Research engineer at MYSOPHERA SL since 2018, a SME based in Valencia (Spain) and focused on clinical process improvement using location services in hospital environments. WP2 and WP7 leader in vCare, and responsible for the architectural design
- **Short bio**
  - Background on Communications Engineering, with wide expertise on large EU projects on e-Health and Active Ageing since 2004 (MyHeart, HeartCycle, PIPS, Activage, etc) on both management and technical roles.




2

2

## WORKSHOP GOALS

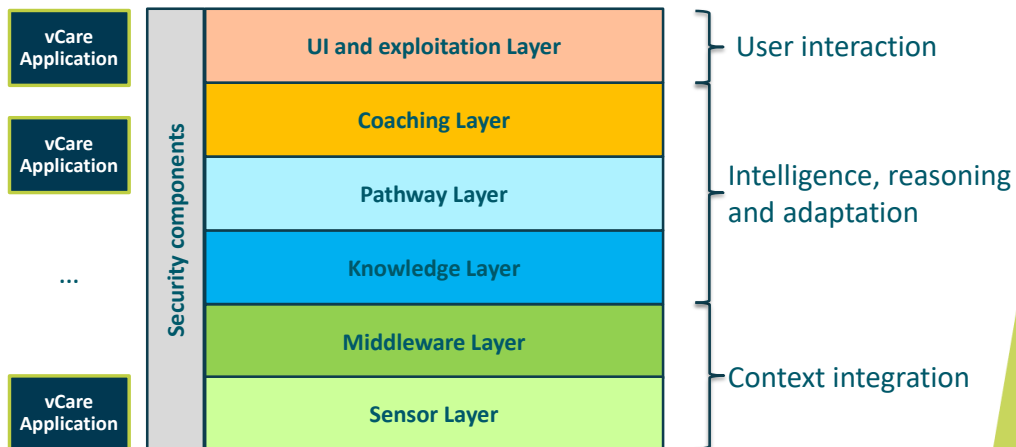


3

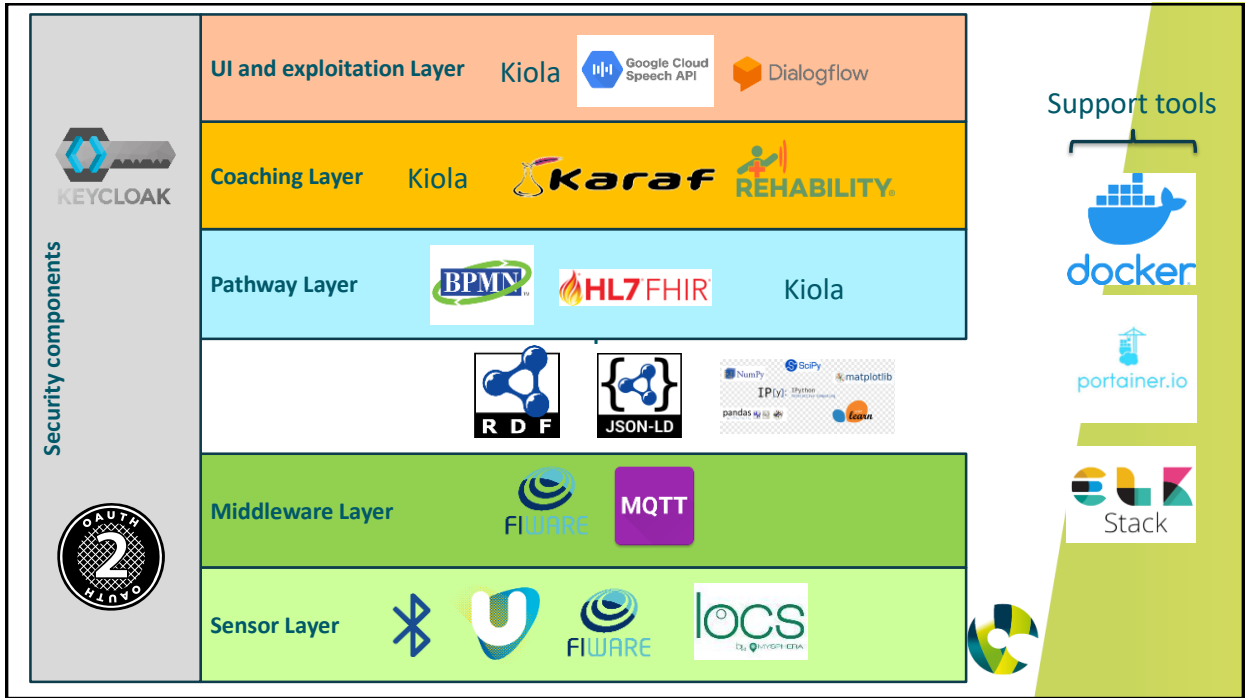


3

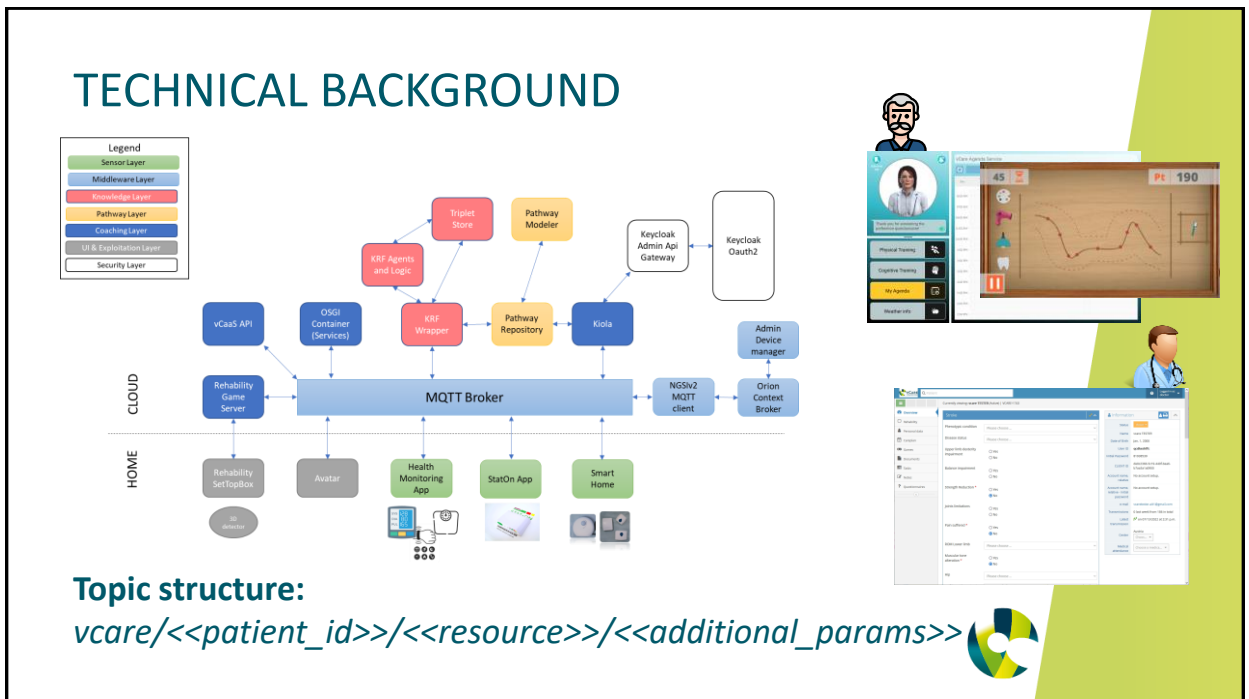
## VCARE ARCHITECTURE



4



5



6

## POINTS FOR ATTENTION

### Semantics

- Need for a shared model, preferably already used by community (ontologies)
- Need for guidance on how to model these data

### Security

- Need to define your security model by design before integration starts
- GDPR applied from the very beginning

### QoS

- Need to define which data are transient and which data are important
- Implement retention policies with a TTL

### Mobile devices

- OS implement energy optimizations which have a negative impact on background processing
- Easy unattended and remote update mechanisms need to be implemented
- Remote service monitoring strategies required to avoid losing data

7



7

[www.vcare-project.eu](http://www.vcare-project.eu)

THANK YOU



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769807.



8