

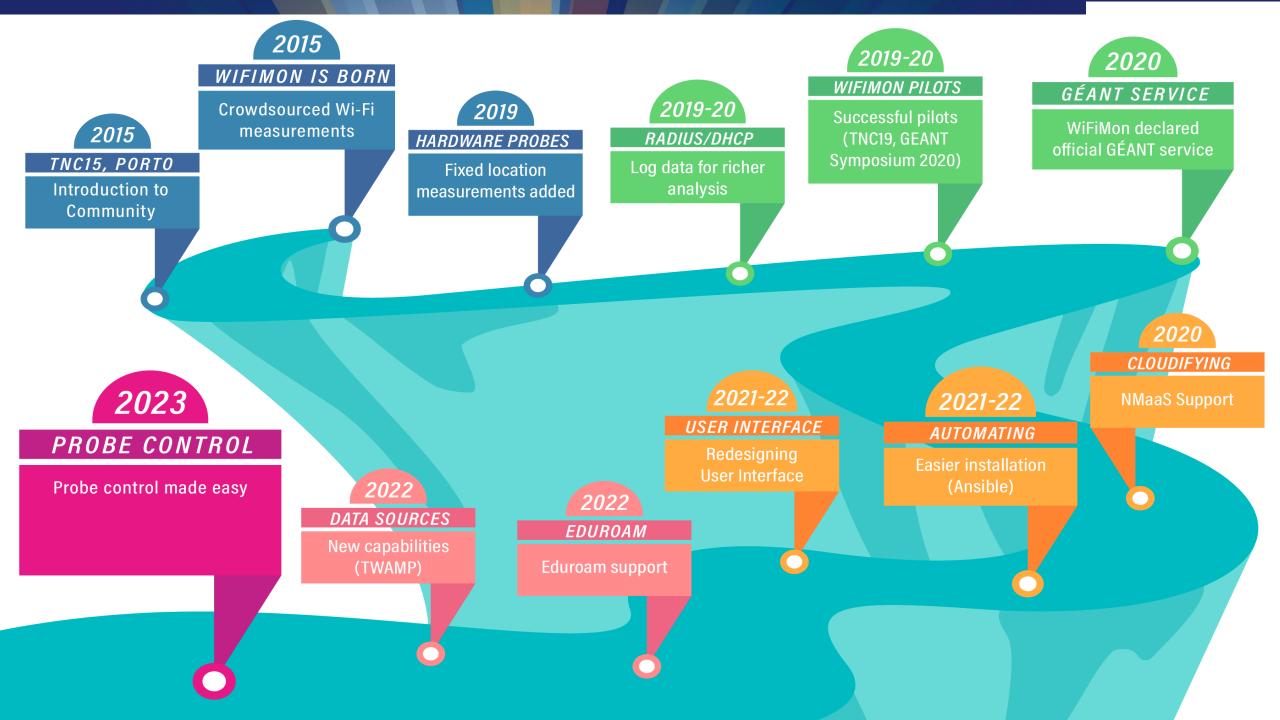
# **WiFiMon Probes for Digital Generations**

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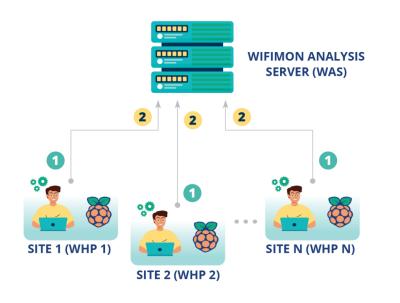


# WHP Configuration & Control

#### Old approach

Administrator feedback demonstrated **limitations**:

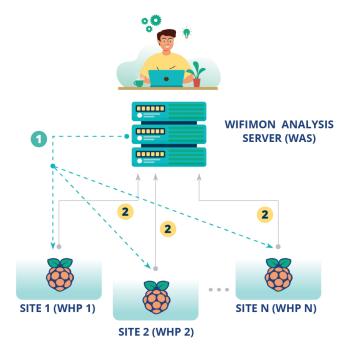
- In NAT networks
- In **public networks**
- Administrators edit config directly





### Novel approach required!!!

- → Remote & user-friendly configuration of WHP's from a central point (WAS)
- → Ability to control WHP's behind NAT networks

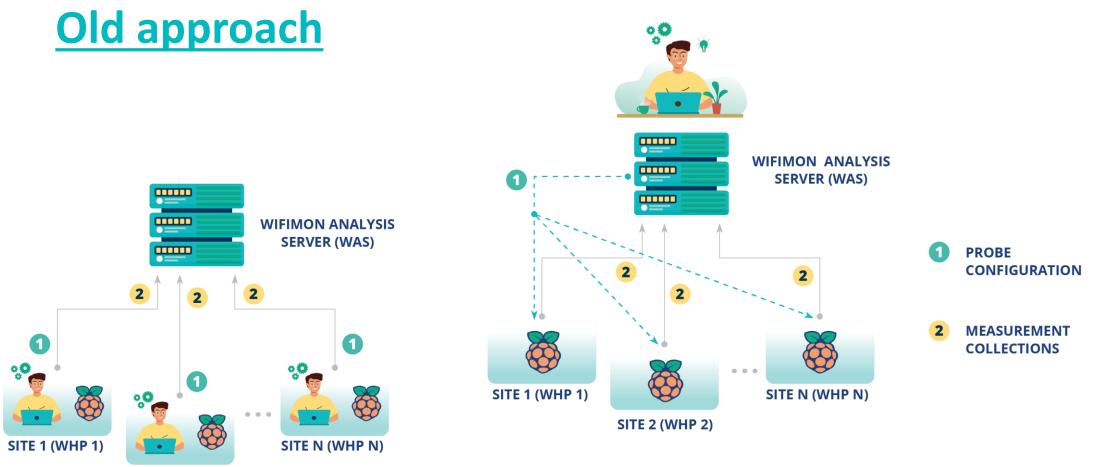


PROBE CONFIGURATION

2 MEASUREMENT COLLECTIONS

MCKESSON

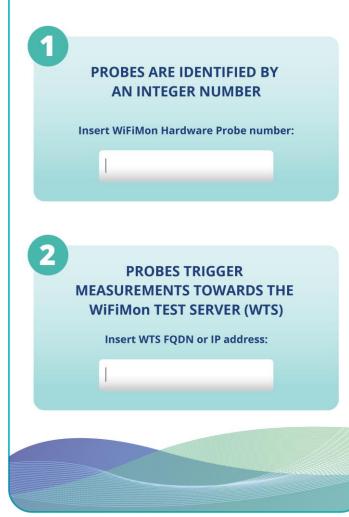
## **Novel approach required!!!**



SITE 2 (WHP 2)

#### WIFIMON HARDWARE PROBE CONFIGURATION PAGE

Full in the following information to configure the probe



## WHP Configuration Made easy

• Administrators (re)configure WHP's from the WiFiMon UI

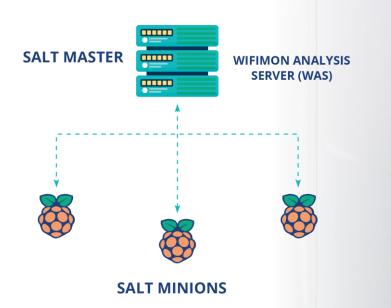


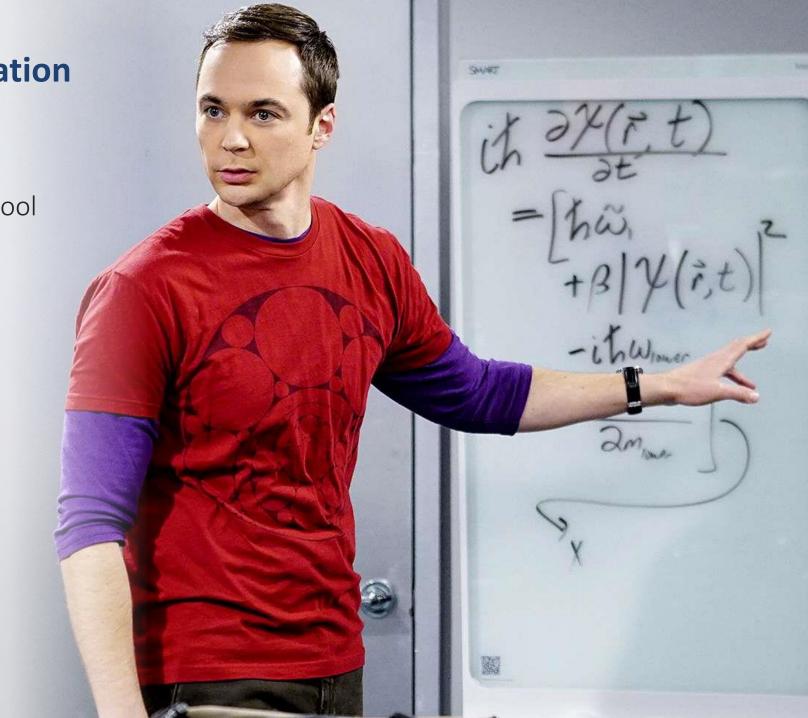
## Remote WHP Configuration Made Possible

• Solution based on the **Salt** infrastructure management tool

WiFiMon Analysis Server → Salt Master

WiFiMon Hardware Probes  $\rightarrow$  Salt Minions





#### Remote WHP Configuration Made Possible



#### Salt establishes application layer communication:

- WHP's are remotely configured from the WAS
- Remote reconfiguration possible even for WHP's behind NAT
- Public IP addresses are not required  $\rightarrow$  IP space is consumed



#### Salt includes a ZeroMQ message broker:

Parallel configuration regardless of the WHP number

3 Configuration files generated from templates are transferred from the WAS to the respective probes





# Thank You

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