

Security On The Edge Safeguarding Smart Homes

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Context

Challenges

What and how we did it

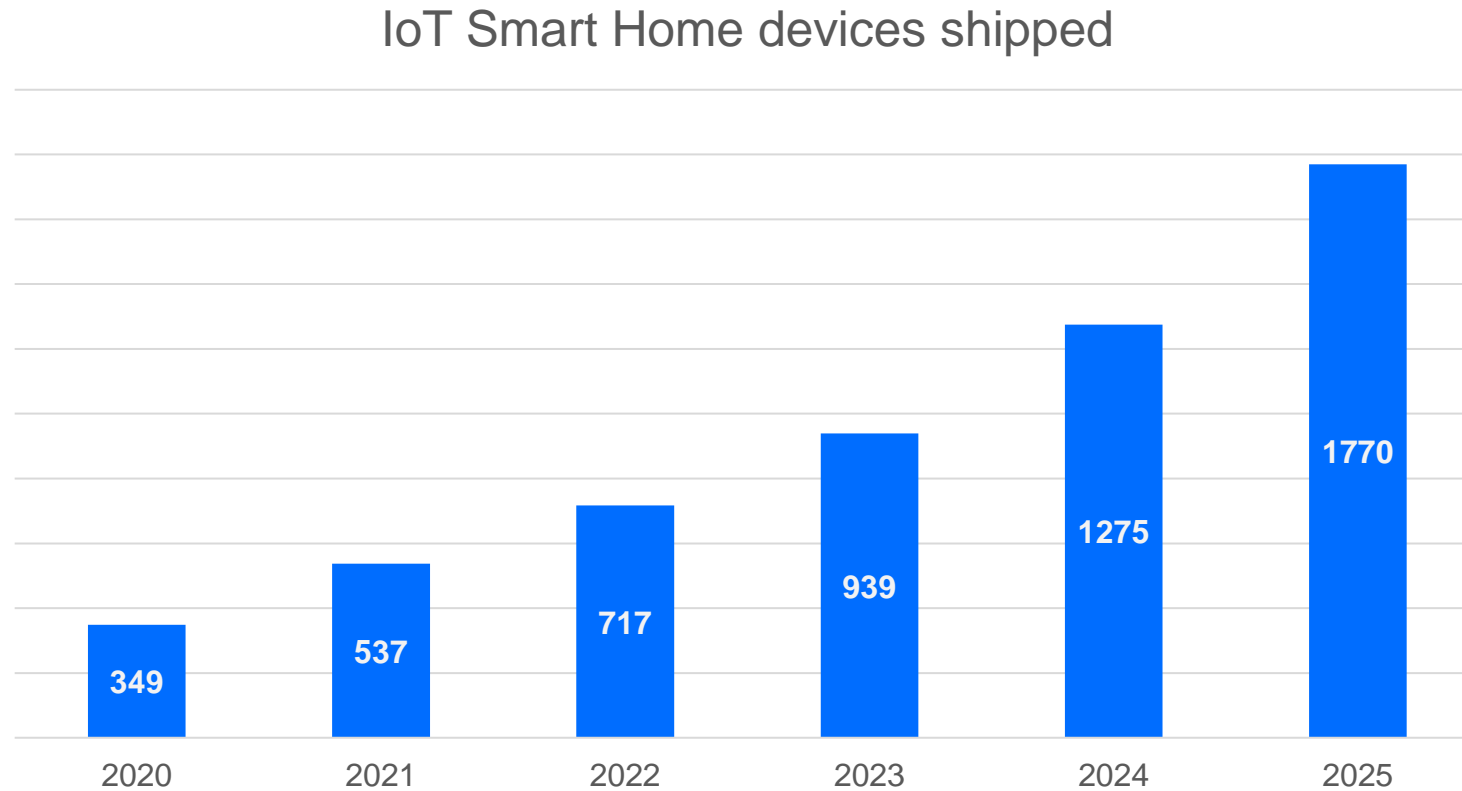
What's next

Smart Home

EVERYTHING IS CONNECTED



Smart Home In Numbers

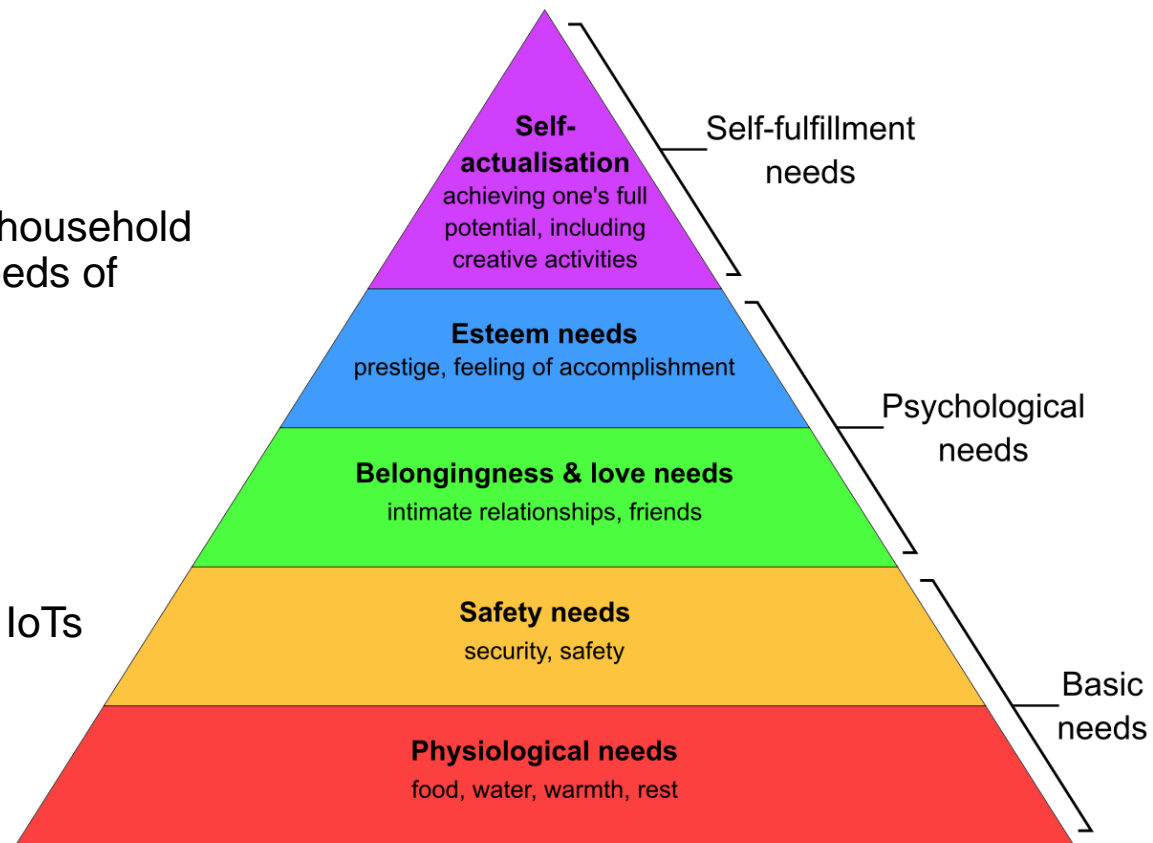


Smart Home Challenge

BACK TO THE BASICS

Most of smart devices from a household are targeting the advanced needs of consumers.

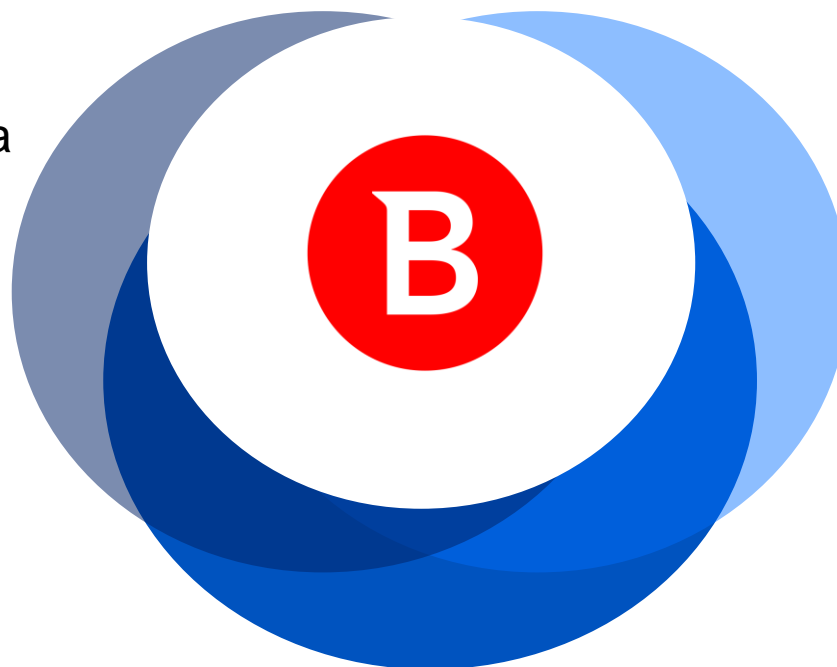
Security is just a check box for most IoTs



How Do You Protect A Smart Home

THAT IS NOT SO... SECURE

What do all devices from a home have in common?



How do I fit in?

What technologies shall I use?

Bitdefender IoT Security

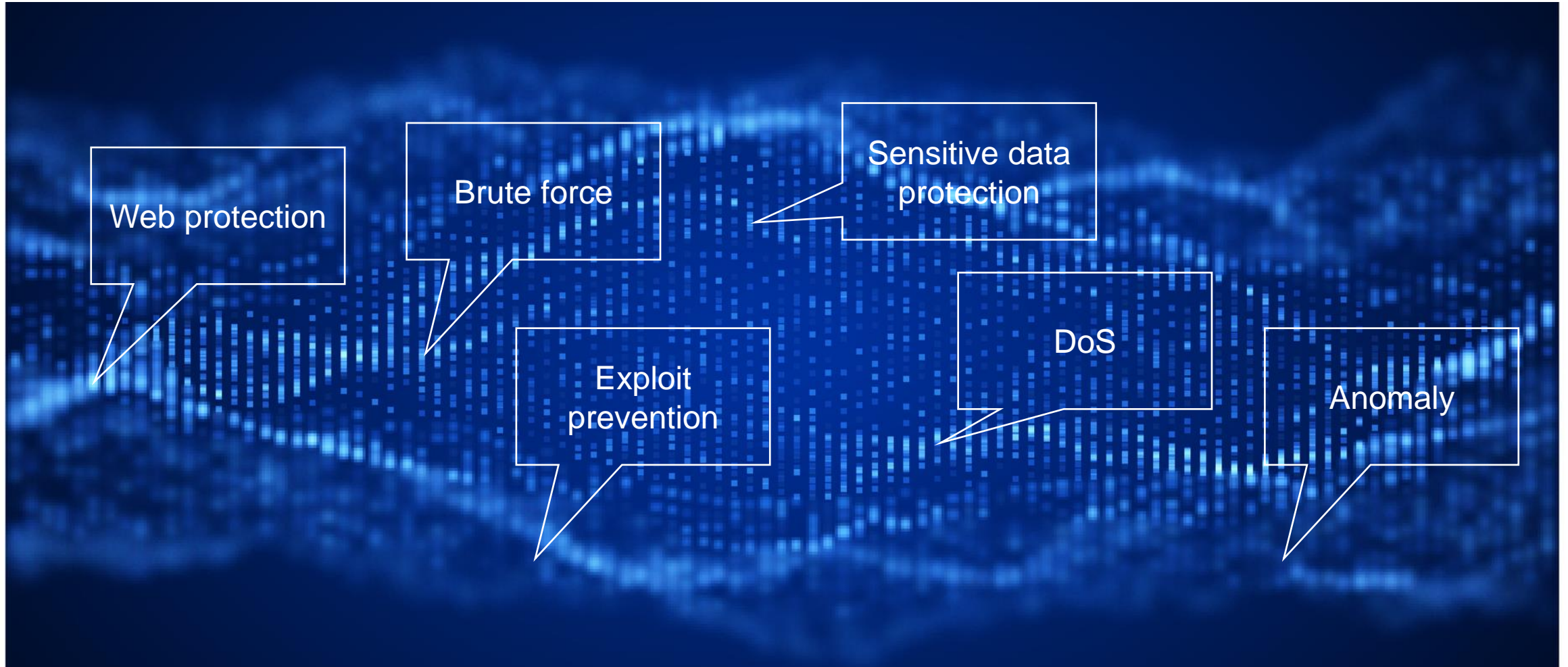
HOW DOES IT WORK



- Identify
- Assess
- Protect
- Notify

Protection Layers

THERE IS NO UNIVERSAL SOLUTION FOR EVERYTHING



How We Got Here

HOW ROUTER INDUSTRY IS CURRENTLY WORKING

- Reference boards
- Select functionalities
- ODM (Original Design Manufacturer)
- Firmware integration



What's Next

HOW WE WILL WORK IN THE FUTURE

- Routers seen as more than single purpose device
 - Physical security – Wi-Fi motion sense
 - Cybersecurity
 - Management hub for IoT devices (Matter)
 - Quality of experience
 - Game server
- Containerization
- Future platforms: prpIOS, RDK-B



Q&A



Thank You!

