
AWS
re:Invent
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HLC304

Collecting patient telemetry at scale

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Workshop link

http://bit.ly/3gNDxaT

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AWS IoT EduKit – Reference hardware kit

Espressif ESP32 – Dual-core, 8 MB PSRAM, 16 MB Flash, Wi-Fi/Bluetooth

Security – Preprovisioned hardware encryption chip

Sensors & Interfaces – 2” capacitive touch LCD, vibration motor, gyroscope & accelerometer, microphone & speaker, 10x RGB LEDs

Expansion – Allow additional use cases with hundreds of plug-and-play peripheral and connectivity options

Power – 500mAh battery, power management chip

Pricing – Special pricing for educational institutions and volumes



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IoT for Patients

SAMPLE USE CASES

- Healthcare
- Patient telemetry in hospitals and outpatient settings
- Remote monitoring
- Home health care



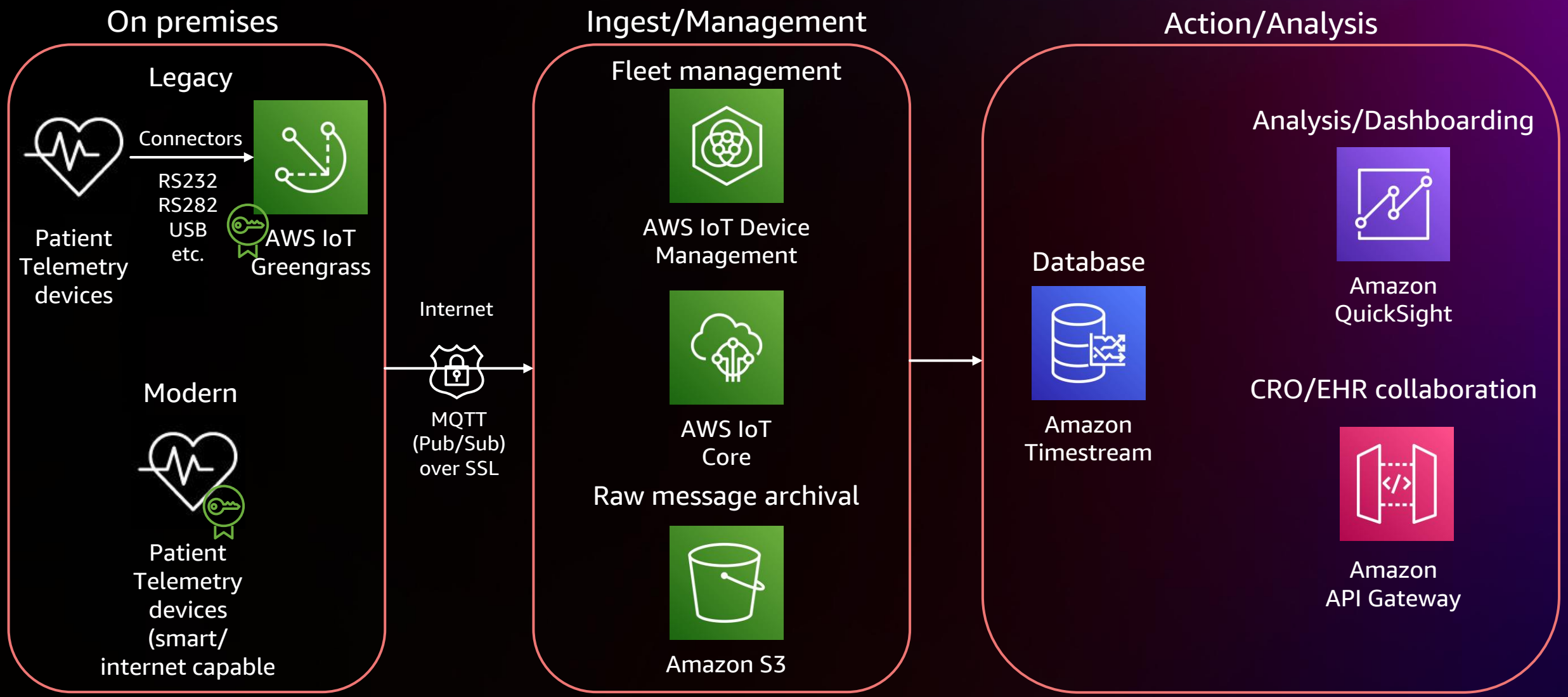
- Life Sciences
- Adverse event detection (clinical trials, post-market surveillance)
- Decentralized clinical trials
- Protocol adherence



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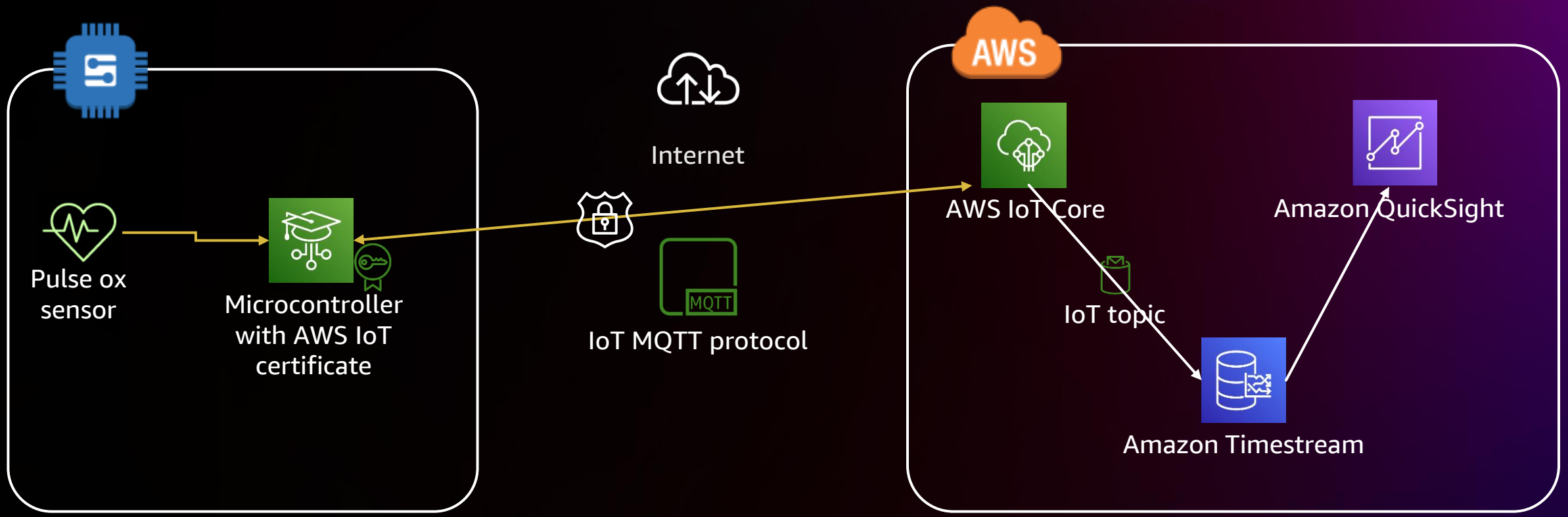
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Reference architecture



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Workshop architecture



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What's next?





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AWS Health Lounge

Connect with **AWS Health experts** and other attendees in our dedicated lounge space for **informal discussions and networking**

Explore **AWS Healthcare & Life Sciences demos** and new additions to the AWS for Health portfolio!



Location – AWS Industries Networking Lounges, Caesars Forum Main Hall

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AWS + Children's National Hospital

Customer obsession = Patient obsession

Collect pins at the AWS for Health Lounge from child artists who are also patients at Children's National Hospital – learn about their inspiration and "their why"





Artwork provide by Alice, age 11, patient with neurological condition

"I drew a heart because I love all of the people that took care of me at Children's National."

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Thank you!

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