IoT in Games

Case study

IoT in Multiplayer games or remote controlled games

- The sensors/actuators or the 'things'
- Edge processing
- The communication protocols
- Cloud gaming



- oT games, smart games, IoT-based games, IoT pervasive games),
 the
- terms hybrid, trans-reality, ubiquitous, pervasive, and locationbase
- sense location, movement, acceleration, humidity, temperature, noise, voice, visual information, heart rate and blood pressure





https://www.youtube.com/watch?v=RMkrlqZM0_w



- https://www.xbox.com/en-US/accessories/controllers/xboxadaptive-controller
- https://www.youtube.com/watch?v=jKCwi6L8pHI
- https://www.youtube.com/watch?v=Y6-JAm3NCAk
- https://www.youtube.com/watch?v=mICLzhMdxZU
- https://www.youtube.com/watch?v=2sj2iQyBTQs
- https://www.youtube.com/watch?v=HAHHb9MeZ3I&t=17s

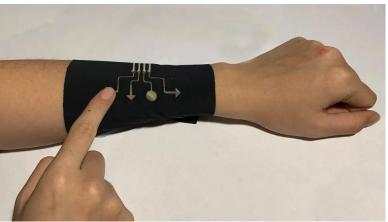








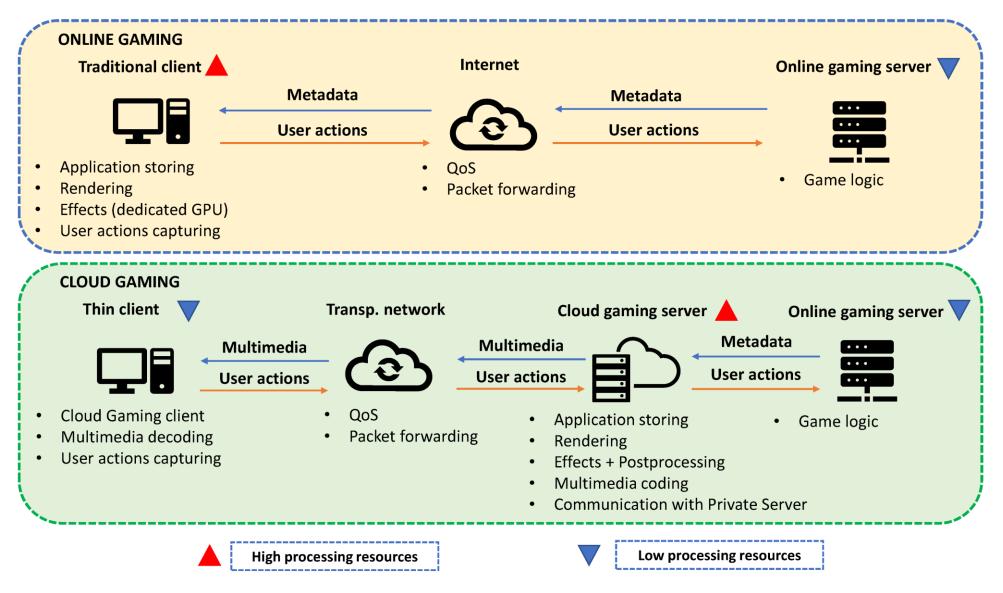
https://www.youtube.com/watch?v=U8pUYU7-h6M



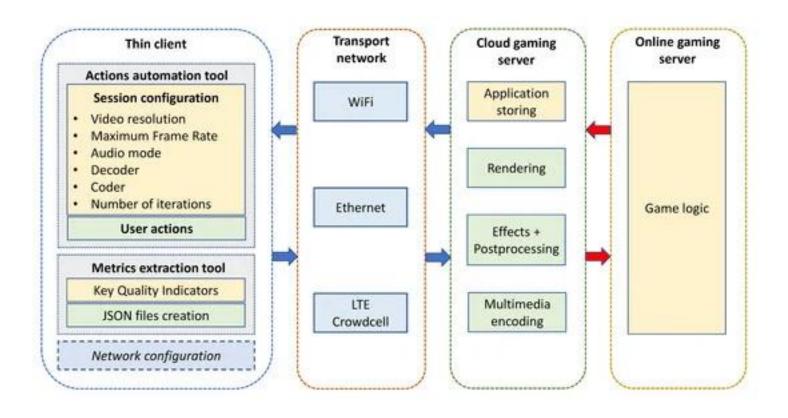
Researchers, North Carolina State University, control a game of Tetris using a breathable wearable sleeve

https://www.youtube.com/watch?v=7AO_cq8A_BE&t=7s

Cloud gaming



Cloud gaming architecture



Measuring Key Quality Indicators in Cloud Gaming: Framework and Assessment Over Wireless

Networks: https://doi.org/10.3390/s21041387

BCI & IoT

Brain Computer/Machine Interface







Adapting the P300-Based Brain-Computer Interface for Gaming: A Review

- •June 2013
- •IEEE Transactions on Computational Intelligence and AI in Games 5(2):141-149

https://www.youtube.com/watch?v=LI-rPnriG88