

Disruptive Analysis

Don't Assume

Metaverse Connectivity

Dean Bublely, Disruptive Analysis

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@disruptivedean

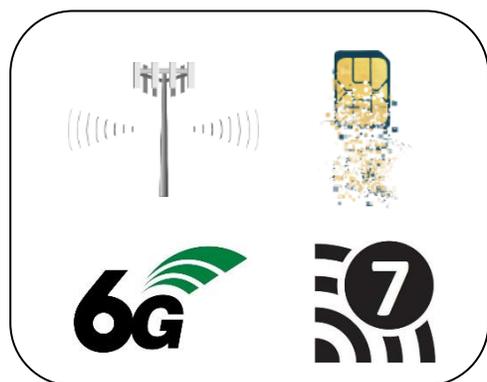
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Dean Bublely & Disruptive Analysis @disruptivedean



- Tech/telecom analyst & strategic consulting since 1991
- Covering Internet, 5G, 6G, Spectrum, FTTX, Wi-Fi, Edge/Cloud...
- Advisor to telcos, large & small vendors, investors, government
- Not afraid to criticise my own clients (or industry groups)
- Biases: Against monopolies, lazy incumbency & hype



**Network Tech, Policy
& Business Models**



**Communications
Apps & Services**



Telecom-Futurism



**Industry Analyst
Consulting &
Reports**



Immersive experiences don't always need Gbps & URLLC



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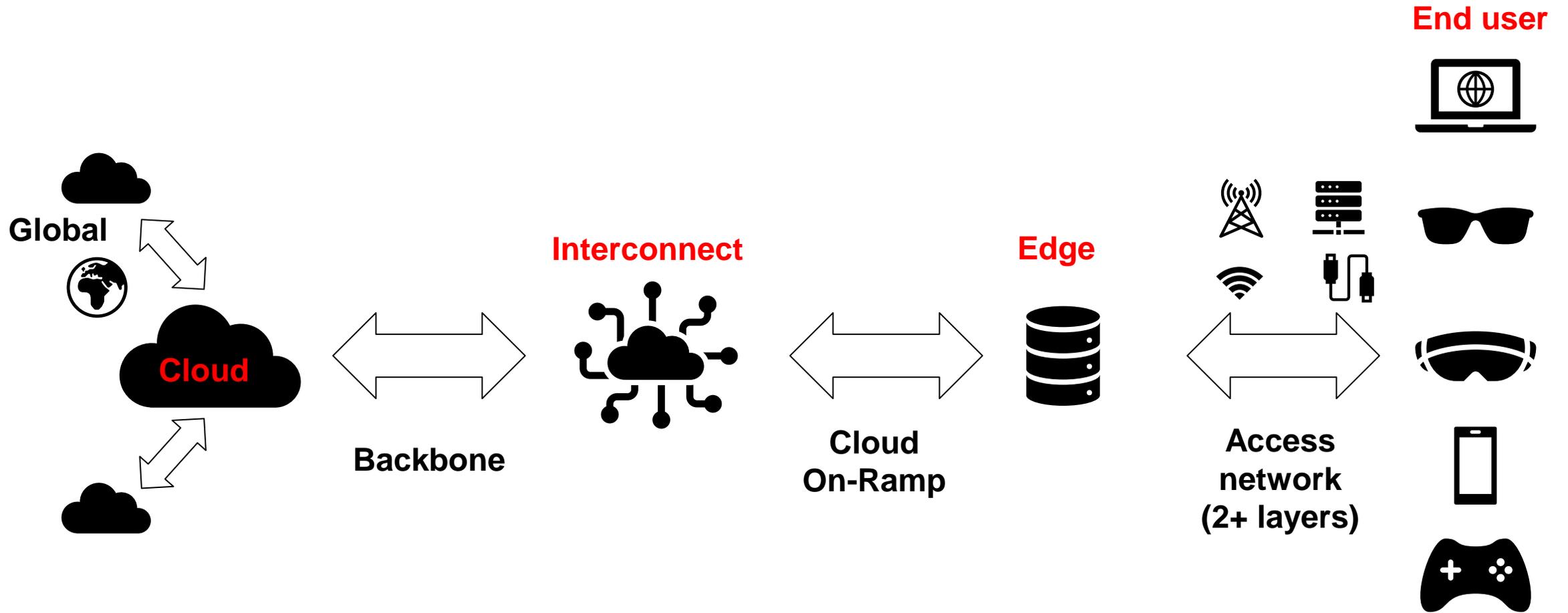


Low-Bandwidth Capabilities

Ideal for remote locations, a minimum of only 128kbps is required to operate voice & video calls, including 3D holograms, and IoT integrations. Reliable calls can run while connected to a mobile hotspot.



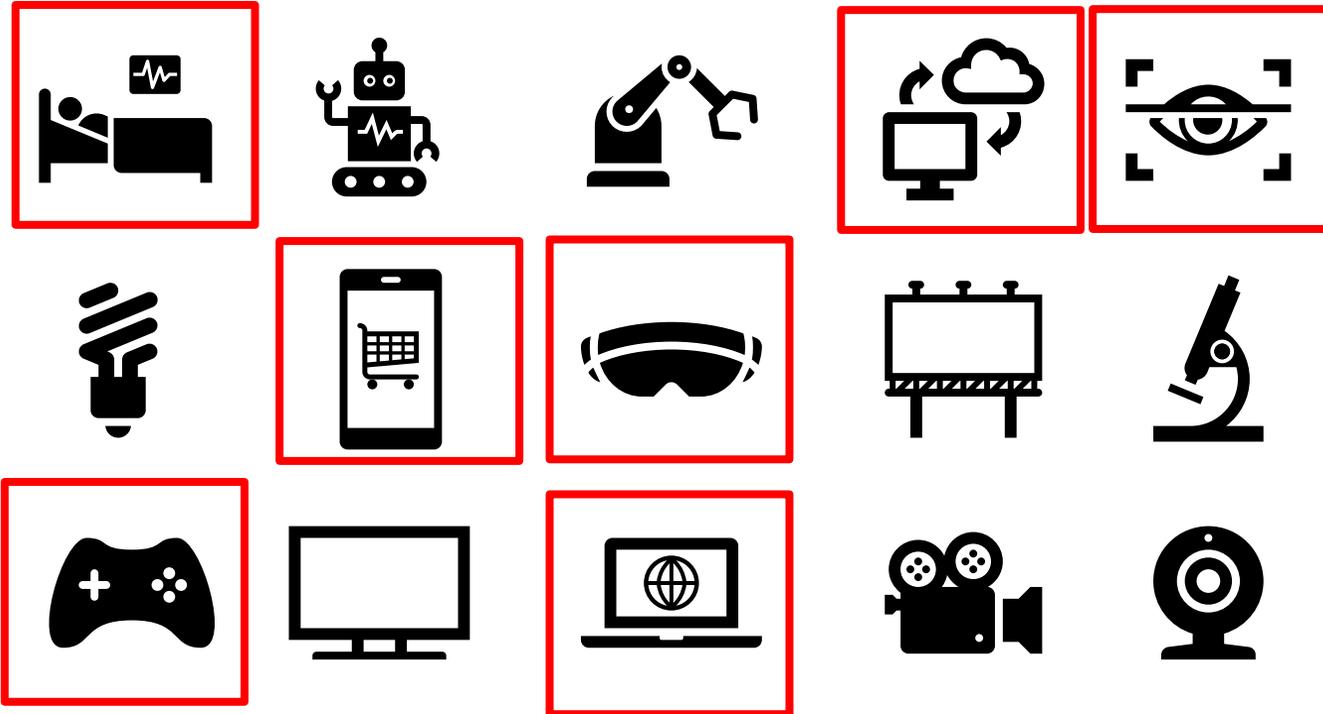
Many different network connections for metaverses



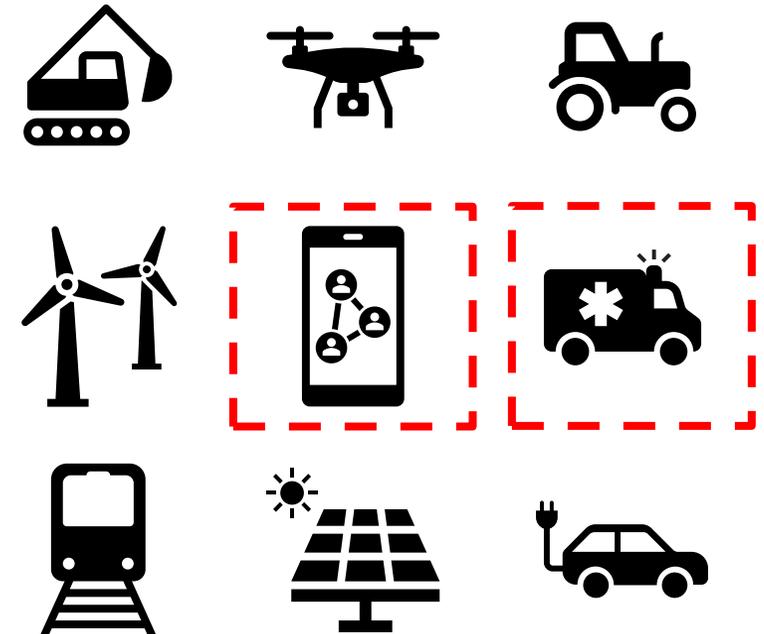


Most AR/VR/MV use-cases, apps & devices are indoors

Indoor

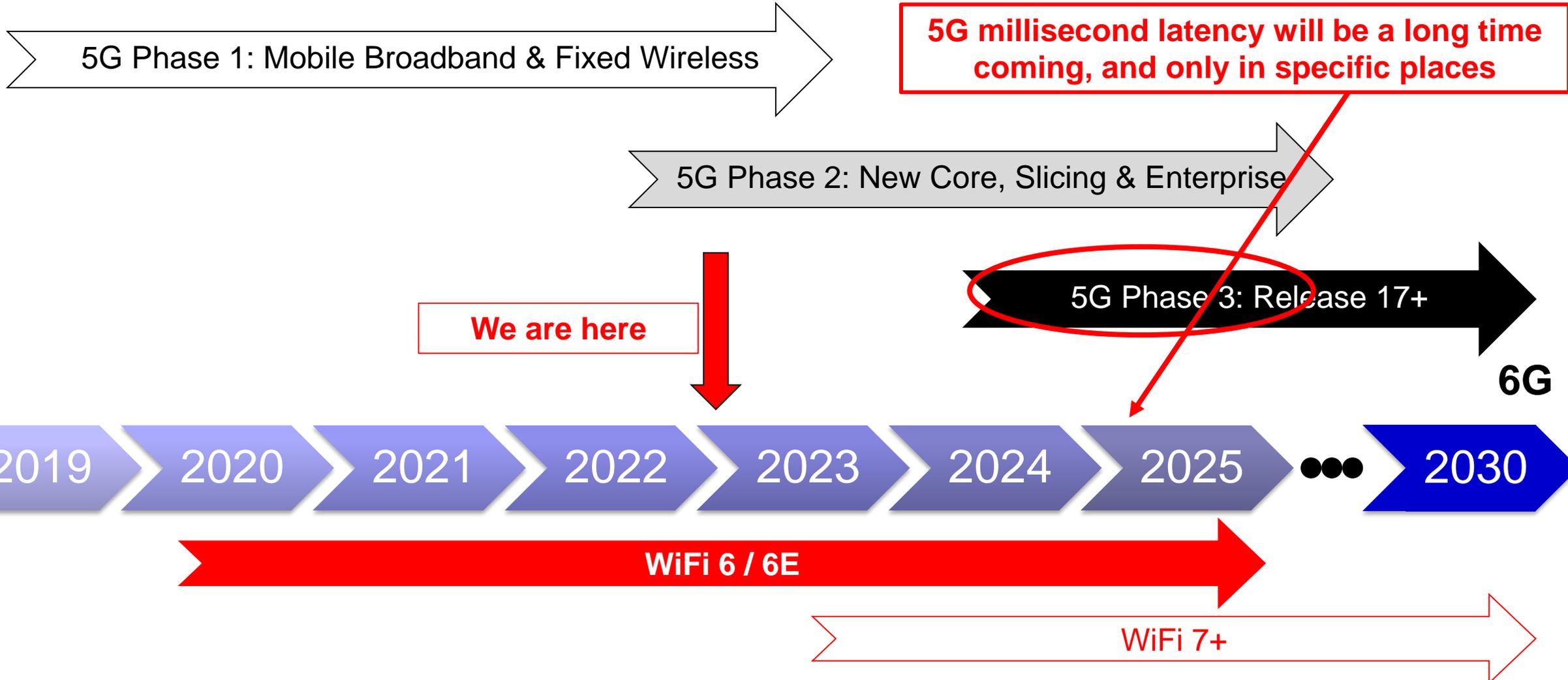


Outdoor





5G capabilities will be phased; WiFi 7 before 5G Rel 17





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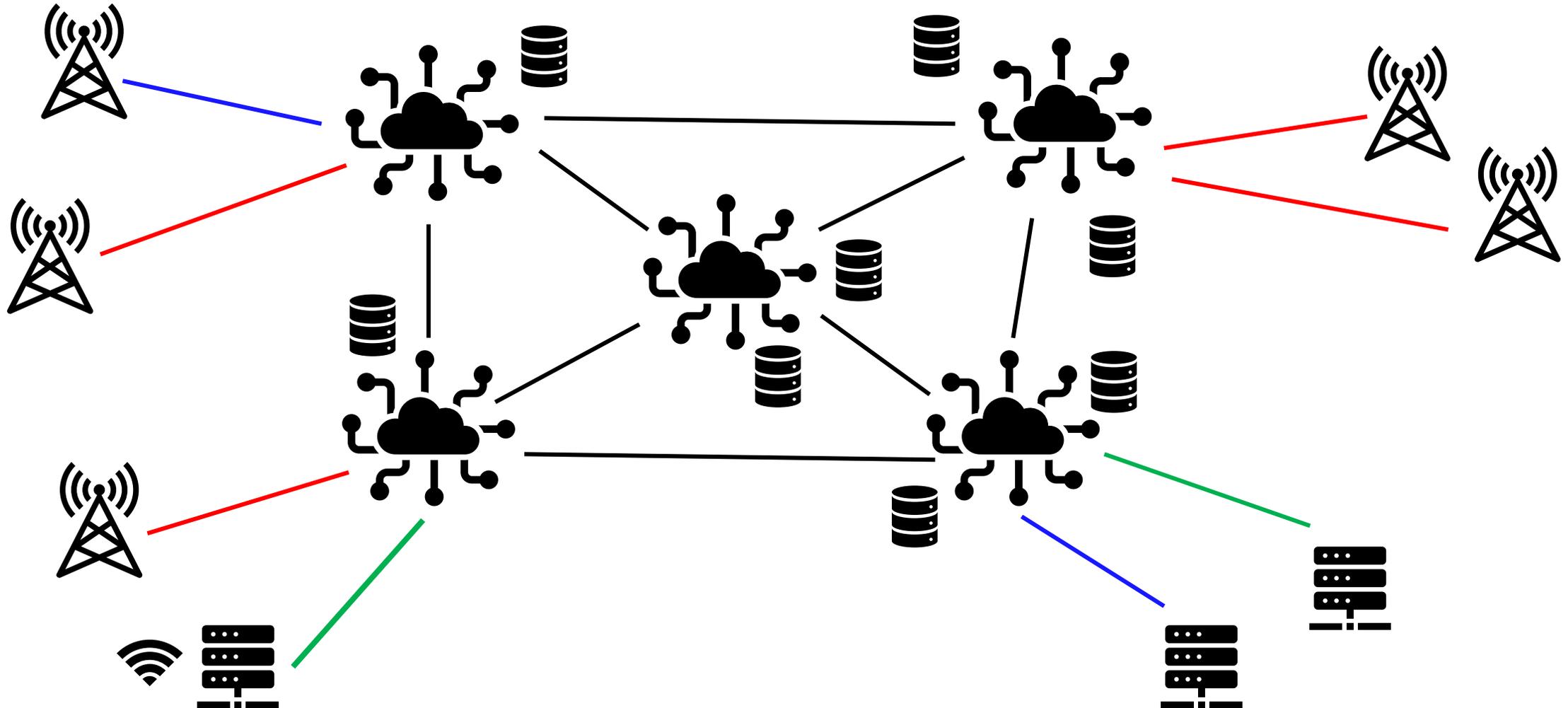
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A thought experiment....





Edge interconnect: as important as edge computing





What is the m/Metaverse opportunity for CSPs?

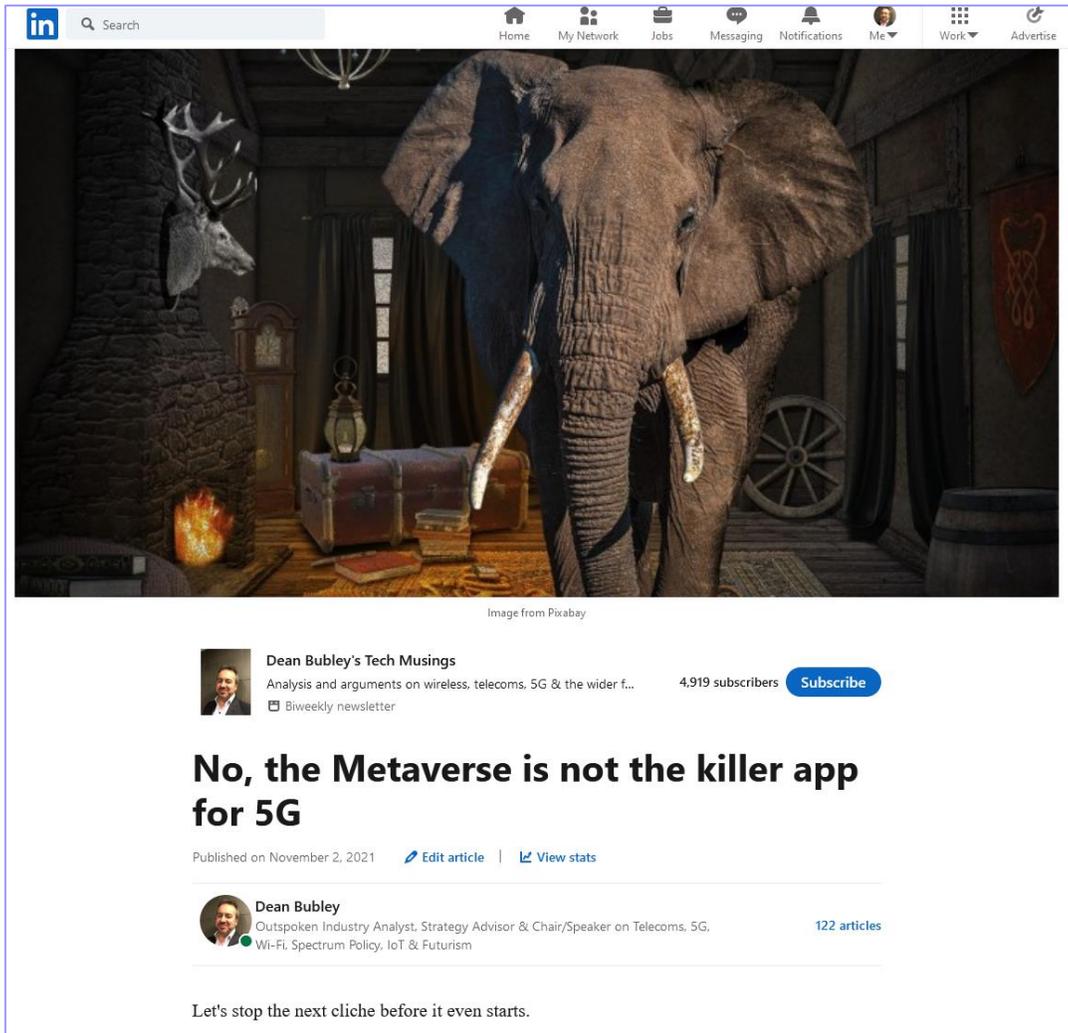


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No, the Metaverse is not the killer app for 5G

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Dean Bubley
Outspoken Industry Analyst, Strategy Advisor & Chair/Speaker on Telecoms, 5G, Wi-Fi, Spectrum Policy, IoT & Futurism
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Let's stop the next cliché before it even starts.

- 10-15 year evolution path
- AR / VR / MV mostly used indoors
- Expect WiFi 6/7 or 5G/6G small cells
- Forget “decentralised wireless” for MV
- Many metaverses, not **The** Metaverse
- Many experiences / network traffic profiles
- Lots of uplink (video, LiDAR, sensors etc)
- Maybe scope for edge compute
- Will require local breakout / peering
- Strong links to cloud platforms / functions
- Likely telco opportunities – but not obvious!



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