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Pitch of the Project Proposal Metaverse Ready Cloud-native 5GCore-as-a-Service

OpenFabric

According to a recent survey performed by Nokia and ABI Research over 1000 companies from a variety of industries:



%90 consider Private 5G networks as part of their mission critical control and communications network upgrade







%38 will use Private 5G networks as their primary technology to support their mission critical applications







Who do you plan to deploy your Private 5G Network with?

technalysis Vendors Expected To Help with Private 5G Network



Part of the reason is that many organizations are planning to use their private networks as an enabling part of larger computing solutions—especially for things like IoT and edge **computing**—and not necessarily for standalone telecom-related purposes.

https://www.forbes.com/sites/bobodonnell/2022/07/14/private-5g-opportunity-or-challenge-for-telcos/?sh=87b2c1143c4c



Networking Equipment O-RAN/V-RAN Vendor





Metaverse and Hyper Realistic Avatars





Impressive realistic Mark Zuckerberg avatar shown at Meta Connect

MORE VIDEOS



OpenFabric





https://www.youtube.com/watch?v=So8GdQD0Qyc





Metaverse and Hyper Realistic Avatars

- immersive experiences to customers.
- Billion in 2030





Metaverse and hyper realistic avatars provide more emotionally-engaging and

One of its applications is for employee onboarding and on the job training

The global digital human avatar market size is expected to reach USD 527.58





Point Cloud Compression

- signal processing.
- geometry and could be processed in real-time.





Metaverse, similar to any augmented, virtual and mixed reality experience, requires enormous amounts of data, so it is necessary to improve compression quality and

Point Cloud Compression (PCC) is a method for compressing volumetric visual data.

A point cloud is a set of individual 3D points, each point having a 3D position but also being able to contain some other attributes such as color, surface normal, etc. Point clouds are more flexible than polygonal mesh when representing non-manifold





At Time Instance t:

- Position (X, Y, Z)
- Color (R, G, B)

Other Attributes ...





- 5G core platform using end-to-end open standards and technologies
- without being absorbed by its technological complexities





OpenFabric is a start-up company focused on building a fully managed, cloud-native private

The mission of OpenFabric is to provide an easy to use, secure, and flexible 5G Core-as-a-Service platform designed to help companies exploit the benefits of Private 5G Networking







OpenFabric 5G Platform



















- Implement end to end network slicing and edge computing using ML-based methods for optimum resource allocation and improved QoE
- Efficient point cloud compression and QoE management for the Metaverse
- Seamless integration of platform services with enterprise applications and automation









Partners

Current consortium partners:















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Presentation available via:













