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Connectivity Snapshot

INDUSTRY INSIGHTS - MARCH 2024

Innovative Collaborations and Technological Advancements

The recent advancements in telecommunications and network infrastructure have paved the way for innovative collaborations and technological breakthroughs across various industries. From the deployment of 64G Fibre Channel in data centers to the expansion of Genexis' FiberTwist portfolio with next-gen ONT solutions, the landscape is evolving rapidly to meet the growing demands for high-speed, reliable connectivity. Moreover, strategic partnerships like Console Connect and Wasabi Technologies are revolutionizing cloud migration and multi-cloud provisioning, offering businesses seamless and secure access to cloud storage solutions.

Additionally, initiatives such as Catena-X's open ecosystem for automotive data exchange and the trial of smart poles by Virgin Media O2 and Liberty Global underscore the industry's commitment to driving efficiency, scalability, and connectivity while addressing the evolving needs of modern consumers and businesses.

In this issue:

64G Fibre Channel in the data center: top 5 questions answered!

MEO and iBASIS Expand Global Partnership in Voice & Mobile Services

Featured Companies

- | | |
|-----------------|----------------|
| Exfo | Ibasis |
| Genexis | Liberty Global |
| Console Connect | VMO2 |
| Wasabi | Detecon |
| MEO | |

Fancy a listen?



64G Fibre Channel in the data center: top 5 questions answered!

Fibre Channel, a secure, high-speed data transfer protocol, has been a key player in accessing storage area networks (SANs) within data centers since its inception in 1988. Renowned for its scalability, low latency, and congestion-free communication links, Fibre Channel serves as a reliable backbone for secure storage applications, ensuring quick and clean access to storage arrays. The protocol's robustness and security have made it a preferred choice for high-stakes applications, including aerospace and financial institutions. As data rates continue to increase, Fibre Channel has evolved alongside, with advancements like PAM-4 signaling enabling higher data rates, such as 64G. The necessity for 64G Fibre Channel stems from the rapid growth of flash storage arrays, demanding equivalent throughput to maintain equilibrium in data center storage spaces. This evolution mirrors changing consumer expectations and application demands, highlighting the importance of interoperability and speed in modern data center designs.

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Console Connect and Wasabi Technologies to support businesses with fast and secure cloud migration and multi-cloud provisioning

Console Connect and Wasabi Technologies have teamed up to facilitate fast and secure cloud migration and multi-cloud provisioning for businesses worldwide. This collaboration combines the robust network security, performance, and scalability of the Console Connect platform with Wasabi's cost-effective and high-speed cloud storage solutions. As data generation surges from various sources like AI, machine learning, and data lakes, the complexity of networking requirements for cloud migration projects increases. The partnership addresses these challenges by offering a reliable and secure private network infrastructure for seamless migration of large volumes of sensitive data. Leveraging Console Connect's Layer 3 CloudRouter® multi-cloud solution, businesses can easily connect to Wasabi and other leading cloud platforms, enhancing flexibility and choice. The integration of Console Connect's network with Wasabi's storage regions in Europe, Asia, and North America ensures global accessibility and scalability. Businesses can benefit from a pay-as-you-go model, gaining control over cloud costs, and fast deployment of storage solutions in minutes rather than weeks or months. Additionally, Console Connect's Edge SIM service further enhances visibility, security, and control over IoT assets, providing direct connectivity between devices and Wasabi storage. Wasabi's high-performance storage, coupled with its durability, security features, and compliance with industry standards, ensures a reliable cloud storage solution for businesses seeking seamless cloud connectivity and storage management.

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MEO and iBASIS Expand Global Partnership in Voice & Mobile Services

iBASIS, a global communications solutions provider, and MEO, Portugal's leading telecommunications operator, have extended their multi-year outsourcing agreement, broadening their partnership to include international outbound SMS and 5G mobile services. Additionally, iBASIS will establish an IPX Point of Presence (PoP) at MEO's newly established Linda-a-Velha data center, enhancing global connectivity. The collaboration reflects both companies' commitment to innovation and delivering exceptional communication experiences worldwide. Alexander Freese, COO of Altice, expressed enthusiasm for the continued partnership, emphasizing the focus on providing fast and reliable services to roamers. Edwin van Ierland, CEO of Voice and Mobile Data at iBASIS, highlighted the expansion of services and the partnership's potential to create new revenue opportunities. Alexandre Pébureau, CEO of iBASIS and Founder of Tofane Global, praised the renewal of the partnership as a testament to MEO's strategic focus on wholesale innovations and international growth. Together, the companies aim to strengthen the international communications ecosystem and drive further evolution in the industry.

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Detecon among the first consulting service providers to obtain Catena-X qualification

Catena-X has appointed Detecon as one of its inaugural "Catena-X Qualified Advisors," recognizing the consultancy's expertise in aiding companies seeking to join the Catena-X network. Catena-X aims to create a digital environment facilitating cross-company data exchange within the automotive value chain while upholding data sovereignty. Detecon's role includes highlighting the initiative's benefits, addressing procedural and organizational changes, and fostering a data-centric culture. Detecon's certification underscores its pivotal role in facilitating Catena-X's success, with the consultancy's experience in onboarding processes complementing technical implementations by entities like T-Systems. This collaboration strengthens Detecon's position in the Catena-X ecosystem, offering comprehensive support for companies navigating their journey into the network.

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Genexis expands FiberTwist Series with next-gen ONT with two 10GE LAN ports: XGS2418

Genexis, a prominent vendor of PON Optical Network Terminals (ONTs) in Europe, expands its FiberTwist portfolio with the introduction of FiberTwist XGS2418, a premium XGS-PON ONT designed for seamless transitions between Internet Service Providers (ISPs) in high-speed open access networks. Recognized for its DIY installation with a single “twist,” the XGS2418 features two 10GE LAN ports and two 1GE LAN ports, allowing end-users to switch ISPs effortlessly by plugging into the appropriate port. This eliminates costly truck rolls and service interruptions, catering to network operators adopting open-access models. Integrated with TrueTalk™ autosensing software, the XGS2418 ensures interoperability with various Optical Line Terminals (OLTs), offering flexibility and ease of deployment. With sustainability features and premium security, the XGS2418 aligns with evolving customer needs, empowering ISPs to provide diverse services and enhance end-user choices in fiber network optimization.

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Virgin Media O2 and Liberty Global successfully trial smart poles powered by fixed network to boost mobile coverage

Virgin Media O2 and Liberty Global have conducted a successful trial introducing innovative smart poles combining fixed network infrastructure with 4G and 5G technology to enhance mobile services across the UK. These compact poles, installed beside existing fibre network cabinets without requiring planning permission, quickly improve coverage in busy areas. Unique ‘digital electricity’ technology powers the poles through Virgin Media’s fibre network, eliminating the need for traditional power sources. By utilizing small cells atop the poles, mobile capacity is augmented, reducing congestion and enhancing services. This approach streamlines the deployment process, leveraging Virgin Media’s converged network to reduce costs and complexity, while enabling new revenue streams and supporting smart city infrastructure like EV chargers. Jeanie York, Chief Technology Officer at Virgin Media O2, highlighted the transformative potential of these trials in optimizing network efficiency and delivering enhanced services to customers.

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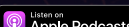
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