Disaggregation Of HW And SW For Broadband

Moderated by Cameron Kilton – CTO, Nextlink

Cameron Kilton, CTO - Nextlink

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Currently Chief Technology Officer (CTO) at Nextlink, where he applies his over two decades of experience in the telecommunications industry to designing, building, and operating wireless broadband, cellular, AMI, and fiber-optic network systems. He is a passionate advocate for customers and has been an outspoken voice in the WISP community for nearly 20 years. Cameron's expertise in engineering, construction, and management has enabled him to oversee large-scale wireless and fiber deployments at the local, state, and federal levels.

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Weyl Wang – Edgecore

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Weyl Wang has **been in the industry of metro transport system solution and broadband access networks, previously with AT&T Bell Labs, Tellabs and DZS.**
He is now with Edgecore Networks as Open-Networking Business Development Manager and Packet-Optical PLM

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William Graves – IP Infusion

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As the Technical Solutions Lead for PartnerInfusion, William leverages his extensive experience in networking, honed at Cisco Systems and Telco Systems, to guide IP Infusion's channel partners in capitalizing on open networking opportunities. With expertise in both traditional and open technologies, he offers invaluable insights into integrating and leveraging these solutions within existing network infrastructures.

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Tom Mitchell - NetElastic

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Tom Mitchell is Vice President of Strategy and Business Development at netElastic Systems, Inc. a leading supplier of virtual networking technologies for Service Providers. He has over 30 years of networking industry experience driving strategic customer, partner and investor relationships. Tom co-founded and served as the Chief Executive of RadioLAN, and has held senior Sales, Marketing, and Business Development roles at companies such as Alloy Computer Products, Apple, Brocade, and Proxim.

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Fayyaz leads the Sales Engineering team at Nokia. In this position, Fayyaz is responsible for overseeing the technical solutions across Nokia's end to end portfolio comprising of Fiber Broadband, IP routing, Optical transport and Wireless technologies

Fayyaz has been in the telecom industry for 25 years and brings a wealth of experience across the telecom and IT domain. Fayyaz is passionate about the human impact of technology and digital inclusion for all.

Fayyaz Patwa

VP, Sales Engineering

NOKIA

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Background

The Fundamentals of HW/SW Disaggregation in Broadband Networks

- **Disaggreation, what is it?**
- How the trend towards disaggregation represents a shift from traditional, integrated networking solutions?
- The role of open standards and communities in promoting HW/SW disaggregation.

Topics

Benefits and Challenges of Disaggregating Hardware and Software

Detailed exploration of the operational, cost, and innovation benefits of disaggregation for broadband providers and users.

The technical and logistical challenges in implementing disaggregated systems, including interoperability, security, and reliability concerns.

Case studies or examples of successful disaggregation implementations in broadband networks.

Impact of Disaggregation on Future Routing and Switching Applications

Analysis of how disaggregation affects the development and deployment of routing and switching applications.

The potential for disaggregation to facilitate new broadband technologies and architectures, such as software-defined networking (SDN) and network function virtualization (NFV).

The role of artificial intelligence and machine learning in enhancing disaggregated broadband networks.

Topics (continued)

Scalability and Flexibility in Disaggregated Networks

How disaggregation enables broadband networks to scale more efficiently and flexibly in response to changing demands.
The importance of modularity in hardware and software components for supporting growth and technological evolution.
Strategies for managing and orchestrating disaggregated network components to maximize performance and efficiency.

Q&A

THANK YOU