Kontron and Anevia Collaborate on a Scalable Reference Solution for Video Delivery at the Network Edge

A joint offering designed to reduce video traffic in the core through street-ready cache servers

Kontron, a global provider of cloud and carrier-class integrated hardware platforms, has partnered with Anevia, a leading provider of OTT and IPTV software solutions, to offer a robust edge caching technology designed to reduce video traffic in the core network for operators and improve quality of experience (QoE) for viewers. The solution targets content service providers (CSPs), telco operators, broadcasters and OTT service providers.

Due to the exponential growth of mobile video content consumption, service providers and enterprises are seeking better ways to manage video network traffic. 5G networks are driving greater video consumption, leading to a large amount of traffic in the network that could result in lower-quality end-user experiences. In response, Kontron and Anevia have collaborated on a solution for media and telco markets to embrace a distributed network architecture as a means to offload video retrieval tasks from the core and move the related data processing as close to end-users as physically possible.

The combined offering runs Anevia NEA-CDN® software on Kontron's ME1100 mobile edge computing servers that are compact enough to fit into street cabinets – closest to where the viewers of the content reside. The benefits of having a distributed offloading solution that performs most of the video caching at edge locations – near mobile phones, tablets, laptops etc. – are numerous, including lower CapEx and bandwidth costs, easier scalability, and better user experience due to reduced response times.

The robustness of the ME1100 series makes it particularly appealing for operators looking to unlock cloud-computing capabilities within the radio access network (RAN) or enable demanding applications such as artificial intelligence, data caching, ultra-low latency, and high-bandwidth edge applications, amongst others. The ruggedised hardware form factor is designed to withstand extreme temperatures, operate in harsh environments and seamlessly adapt to the CSP's virtual infrastructure to deliver broadcast-quality video to end subscribers.

"Telcos increasingly want to optimise the use of their existing infrastructure by investing in smaller delivery nodes that they can easily add to their geographically distributed facilities" explains David Tencer, Product Owner, Anevia. "We're proud to provide a joint video caching solution that allows them to simply expand the edge of their network, instead of having to change what already works."

Anevia's NEA-CDN v5 is the first cloud-native private CDN solution. It provides operators with a centrally orchestrated and elastic CDN, designed to scale on small caches that can be added and removed seamlessly and cost-effectively to follow the changing needs of viewers.

"With this kind of solution, everybody wins," says Bertrand Foulon, Business Development Manager, Video market, Kontron Communications. "We look forward to working closely with Anevia not only to help operators get really close to their customers at a lower cost, but also reduce response time and improve customers' viewing experiences."

About Anevia

Anevia is a leading OTT and IPTV software provider of innovative multiscreen solutions for the delivery of live TV, streaming video, time-shifted TV and video on demand services. The company offers a comprehensive portfolio of video compression, multiscreen IPTV head-ends, Cloud DVR and CDN solutions to enable viewers to enjoy a next-generation TV experience – anywhere, anytime and on any screen – including 4K UHD content. The solutions have been widely adopted by globally renowned telecom and pay-TV operators, TV broadcasters and video service providers in hospitality, healthcare and corporate businesses.

Founded in 2003, Anevia has a track record of being first to market with advanced video technologies. The company is a member of and active contributor to several TV, media and hospitality industry associations. Headquartered in France, with regional offices in the USA, Dubai and Singapore, Anevia is listed on the Paris Euronext Growth market.

For more information please visit www.anevia.com.

About Kontron in Communications

Kontron designs hardware for the software defined world. Service providers and enterprise clients around the globe collaborate with Kontron and its ISV and channel partners to deploy new services with greater speed, confidence and operational efficiency. Our portfolio is a best-of-breed of OEM hardware and SYMKLOUD Open Infrastructure Platforms dedicated to the deployment of virtual services using software defined networks (SDN) and network functions virtualization (NFV). For more information, please visit: www.symkloud.com or www.kontron.com/communications.

About Kontron – an S&T Company

Kontron is a global leader in embedded computing technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall. Kontron is a listed company. Its shares are traded in the Prime Standard segment of the Frankfurt Stock Exchange and on other exchanges under the symbol "KBC". For more information, please visit: www.kontron.com.

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