



NFV Orchestration of virtualized Content Delivery Networks for UHD streaming through ETSI OSM

At the upcoming **International Broadcasting Convention (IBC'19)** in Amsterdam, Nextworks will showcase a proof of concept demo of dynamic and automated orchestration of virtualized Content Delivery Networks (vCDNs) for UHD media streaming. This demo is targeted to the large community of Broadcasters and Telcos attending IBC to experience the best of breed solution for media sector integrated with 5G.

The Core enabler of the demonstrated solution is [ETSI OSM](#), the open-source Management and Orchestration (MANO) stack being developed at ETSI, which has become the reference NFV orchestration solution for 5G networks.

[Tata Elxsi](#) invited us to showcase our vCDN for UHD PoC at their exhibition booth at the IBC, based on the joint involvement of the two companies in the ETSI OSM community. This initiative is intended to promote more community participation from media industry.

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Tata Elxsi a global digital and technology services provider and a distributor of **TEOSM**, a hardened ETSI OSM, is also showcasing an end-to-end service orchestrator solution based on ETSI OSM Release SIX for the broadcast industry from 13-17 September at IBC.

The vCDN PoC presented at IBC'19 is a result of the ongoing work by Nextworks in the context of the [5G-MEDIA project](#), an Innovation Action co-funded by the EC within the [Phase-2 of the 5G Infrastructure Public-Private Partnership \(5G PPP\)](#). The demonstration will show how to enable Media Service Providers to build flexible and adaptable media distribution service chains, made up of virtualized functions, and deliver UHD media contents while users are moving in a geographically distributed 5G network. The audience at IBC will be able to experience the automatic deployment of a virtualized Content Delivery Network (vCDN) on demand to consume UHD media contents in both HD TV screens and mobile devices.

The demo will be on display at **Tata Elxsi booth (#5.A23) on Tuesday Sept. 17th 2019.**

About Nextworks

[Nextworks](#) offers consultancy services and develops products in the technology domains of Media, Smart Homes, Smart Buildings and Smart Factories.

Nextworks team of nearly 50 engineers works to provide cutting-edge solutions fully tailored to customers' needs and leverages on best of breed 5G, SDN/NFV/MEC, IoT and Cloud technologies.

Nextworks offers a portfolio of consultancy services on SDN/NFV/MEC in 5G, Network Slicing, joint cloud+network resource orchestration. Among the customers of their services (training, 3rd-party software development and technical project management) Nextworks count renowned network vendors and Telcos in Europe.

To bring innovation in our offering, Nextworks participates to mainstream R&D projects (10 projects in 5G PPP, 4 projects in IoT/Factory of the Future) and keep the pace of the latest evolutions of technologies and standards, particularly by ETSI.

Nextworks counts active participation to ETSI NFV, ETSI MEC and ETSI OSM, and is also member of the Board of the 5G Infrastructure Association (5G IA), member of the Steering Board of the Network2020 ETP and member of AIOTI, and actively contributes to the strategic steering of these technology frameworks.

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