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Its 5GMC system, which is constructed by ZTE, employs a full cloud-based NFV architecture and a built-in lightweight solution. In addition to the downward compatibility with 2G/3G/4G short messages, the 5GMC system also provides brand-new 5G messaging services, which feature enhanced messages

and business messages, and short message upgrade to rich media messages, card messages, and Chatbot ...

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By Niels Bouten, Jeroen Famaey, Rashid Mijumbi, Bram Naudts, Joan Serrat, Steven Latre and Filip De Turck

QoE Management of Multimedia Streaming Services in Future ...
1 Multimedia Content Delivery with NFV: From the Energy Perspective Silvery Fu, Jiangchuan Liu and

Wenwu Zhu Abstract—In today's Internet, multimedia traf?c accounts for the largest share of all traf?c, highlighted by its volume, variety, multicast nature, and QoS constraints. Downstream towards consumers, multimedia traf?c may traverse through middleboxes, undergoing

Multimedia Content Delivery with NFV: From the Energy ...

delivery networks (CDNs), network address translation (NAT), deep packet inspection (DPI), virtual private networks (VPNs), IPTV, routers, packet data network gateways (PDN-GWs or PGWs), and IP multimedia subsystems (IMSs), to software-based NFV solutions. Virtual appliances General purpose servers Standard storage and switches NFV-based approach

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Multimedia Content Delivery in SDN and NFV-based Towards 5G Networks. ... This article presents a novel architecture for optimizing HTTP-based multimedia delivery in multi-user mobile networks.

IEEE COMSOC MMTC E-Letter Multimedia Content Delivery in ...

The future networks are shifting towards the cloudification of the network resources via Software

Defined Networks (SDN) and Network Function Virtualization (NFV). This will equip ISPs with cutting-edge technologies to provide service customization during service delivery and offer QoE which meets customers' needs via intelligent QoE control and management approaches.

Network Function Virtualization: Challenges and ...

[8]N. Bouten et al., "Towards nfv-based multimedia delivery," in Symp. on IEEE IM, 2015, pp. 738–741. [9]D. Niu et al., "Quality-assured cloud bandwidth auto-scaling for video-on-demand applications," in IEEE INFOCOM, 2012, pp. 460–468. [10]Y. Zhu and Y. Hu, "Ef?cient, proximity-aware load balancing for dht-

Towards NFV-based multimedia delivery - IEEE Conference ...

The popularity of multimedia services offered over the Internet have increased tremendously during the last decade. The technologies that are used to deliver these services are evolving at a rapidly increasing pace. However, new technologies often demand updating the dedicated hardware (e.g., transcoders) that is required to deliver the services.

Seamless Support of Low Latency Mobile Applications with ...

Towards NFV-based Mobile Video Delivery Course in UCC, 4th & 5th May, 2016. 8 Apr 2016. As part of the HEA PRTLI-funded Telecommunications Graduate Initiative (TGI), the Department of Computer Science, University College Cork, will be will be hosting a 1 ½ day course designed for Ph.D. students and post-doctoral researchers who are working in ...

Special Issue for IEEE MultiMedia Magazine – Dr. Harilaos ...

1. Introduction. The exponential growth of mobile video services (e.g., YouTube and Mobile TV) on smart devices and the advances in the Internet of Things (IoT) have triggered global initiatives towards developing the fifth-generation (5G) mobile and wireless communication systems , , .The increasing number of smart devices (e.g., tablets and smartphones) and the growing number of bandwidth ...

Multimedia Content Delivery in SDN and NFV-based Towards ...

Towards NFV based Mobile Video Delivery: Challenges and Opportunities TGI Course, Dept. of Computer Science, University College Cork 4th – 5th May 2016 TGI Module Code: TGI_N11 Last Name First Name Email Address Student ID Dept/School and Institution Address Phone Number Current Status (eg. Student, Post-Doc,

(PDF) Towards NFV-based Multimedia Delivery

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Multimedia Content Delivery in SDN & NFV based Towards-5G Networks Fidel Liberal1, Akis Kourtis1,2, Jose Oscar Fajardo1, Harilaos Koumaras2, 1University of the Basque Country (UPV/EHU), 2NCSRD Demokritos Email:{fidel.liberal, joseoscar.fajardo}@ehu.eus, {akis.kourtis,

koumaras}@iit.demokritos.gr 1. Introduction

SDN and NFV Evolution Towards 5G - IEEE Software Defined ...
The increased agility and flexibility in the SDN/NFV-based network infrastructure opens up endless possibilities for multimedia content delivery and distribution. For example, virtual content delivery nodes can be dynamically deployed at the edge of the network in an on-demand fashion, potentially reducing energy costs and improving user satisfaction.

Towards NFV-based Mobile Video Delivery Course in UCC, 4th ...
SDN and NFV Evolution Towards 5G. Marie Paule-Odini, HPE. IEEE Softwarization, September 2017 SDN and NFV have now been around for some years with an uptake in telecom network a bit slower than expected but these technologies are definitely shaping 5G as initiated by NGMN [1].

ZTE SDN/NFV - A World of Digital Transformation
decade, is based on carrier deployments— in particular the ability to virtualize essentially all aspects of the carrier network. Standardization bodies, particularly ETSI, continue to define the NFV architecture, and NFV now has its own ISG (Industry Specification Group) within ETSI. Dedicated working groups

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