

# Network Functions Virtualization

## Dream Team with SDN from the Cloud

Network Functions Virtualization (NFV) is an essential component on the path to network and application virtualization. It changes the provider networks by offering options to provide services more quickly, while at the same time reducing investment and operating costs. Network services are implemented as virtual appliances by means of high-performance standard servers, switches, or storage systems. This reduces the requirements in terms of hardware, software, and space significantly. At the same time, the error domains are reduced, the applications become portable, and new functions and services can be created via simple software updates. It is small wonder that a market worth several billions of Euros is seen for the NFV technology, as it has the potential to revolutionize the provider networks in interaction with SDN and OpenStack. Simultaneously, application scenarios become obvious for the enterprise sector. This training provides an insight into the current state of development. It shows use case, but also pitfalls and limitations.

### Course Contents

- Motivation for Software-Defined Services and Programmable Networks
- Development of NFV and Standardization by ETSI (GS-NFV)
- The NFV Framework
- Open Platform for NFV (OPNFV)
- Software Development by the Open Source Community
- NFV Infrastructure and Security
- Management & Orchestration (M & O)
- Optimization of Software-Defined Networks and OpenStack Environments via NFV
- Application in the Mobile Communications Environment
- Application in the IMS
- Application in the Enterprise Area
- Virtualization of the Home Gateway
- Limitations, Pitfalls, and Preview

**E-Book** You will receive the comprehensive documentation package of the ExperTeach Networking series – printed documentation, e-book, and personalized PDF! As online participant, you will receive the e-book and the personalized PDF.

### Target Group

The course addresses all persons in general who wish to become acquainted with Network Functions Virtualization (NFV) from a technical point of view.

### Prerequisites

A keen interest in the concepts and technologies underlying NFV, SDN, and OpenStack is the main prerequisite for the course at hand.

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

[www.experteach-training.com/go/NFV1](http://www.experteach-training.com/go/NFV1)

### Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

### Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	2 Days	€ 1,595
Online Training	2 Days	€ 1,595
Dates upon request		

Status 10/21/2022



# Table of Contents

## Network Functions Virtualization – Dream Team with SDN from the Cloud

<b>1 Introduction and motivation</b>	2.6.3 Throughput of a VNF	4.2.1 Cisco Nexus 1000V
1.1 Network Functions	2.7 Security	4.2.2 The virtual network at Xen
1.1.1 Network design with physical network functions	2.7.1 Security vulnerabilities of NFV	4.2.3 Virtual networks with Hyper-V
1.2 Virtual Network Functions	2.7.2 Protective measures	4.2.4 The Open vSwitch (OVS)
1.2.1 Virtualization of NF	2.7.3 NFV Security Framework	4.2.5 SR-IOV
1.2.2 Critical issues	2.8 VNF Forwarding Graph	4.3 VMware vCloud NFV
1.2.3 Advantages of NFV	2.8.1 Definition of the VNF FG	4.3.1 vCloud NFV OpenStack Edition
1.2.4 Administrative delimitation	2.8.2 Realization of the VNF FG	4.4 OpenStack
1.3 SDN	<b>3 Use Cases for NFV</b>	4.4.1 Modules of OpenStack
1.3.1 Integration of NFV into SDN	3.1 NFVI as a Service	4.4.2 Neutron
1.4 Standardization of NFV	3.1.1 NFVaaS	4.4.3 VNFs in OpenStack
1.4.1 ETSI	3.2 VNF as a Service (VNFaaS)	4.5 Containers in NFVI
1.4.2 IEEE	3.2.1 Virtual Network Platform as a Service (VNPaaS)	4.5.1 Cloud Native Network Functions
1.4.3 IETF	3.3 vCPE and vPE	<b>5 VNFs in practice</b>
1.4.4 ONF	3.3.1 vCPE	5.1 Virtualization of Router and Switch OS
<b>2 The ETSI Framework</b>	3.3.2 vCPE and vPE	5.1.1 Cloud Services Router 1000v
2.1 The ETSI Framework	3.3.3 Deployment of vRouters	5.1.2 IOS-XRv
2.1.1 Complete and Partial Virtualization	3.4 Mobile Core Networks	5.1.3 Brocade vRouter
2.1.2 VNF Decomposition	3.4.1 EPS architecture - overview	5.1.4 VMX
2.2 The NFV Infrastructure	3.4.2 Mobile Edge Computing in 5G	5.1.5 VSR from Nokia
2.2.1 Components of the NFVI	3.4.3 Network slicing	5.1.6 Cloud Native Broadband Router from Cisco
2.2.2 Virtual Networks	3.5 IP Multimedia Subsystem (IMS)	5.2 Virtual firewalls and WAN accelerators
2.3 Virtual Network Functions	3.5.1 The IMS architecture	5.2.1 Container Firewall from Juniper: cSRX
2.3.1 Instantiation options	3.5.2 Virtualization of IMS	5.2.2 Cisco ASA v
2.3.2 VNFC status	3.6 Virtualization of the Home Network	5.2.3 vWAAS
2.3.3 VNFC Load Balancing	3.6.1 Virtualization of STB and RGW	5.2.4 Virtual Steelhead from Riverbed
2.3.4 VNF Scaling	3.7 DSL and NFV	5.3 VoLTE
2.3.5 VNF instance states	3.7.1 Virtualization of DSLAM and BRAS	5.3.1 vIMS
2.3.6 Distributed VNF	3.8 Deaggregation	5.3.2 vEPC
2.4 The MANO area	3.8.1 Deaggregation of access technology	5.3.3 Cloud Native 5G Core
2.4.1 Interaction of the Orchestrator	3.8.2 Virtualization of CPE	5.4 Certification of VNFs
2.4.2 Example of a VNF Descriptor	3.8.3 End state	5.4.1 OPNFV Verification Program
2.4.3 Example of a Catalog	3.9 Branch virtualization	<b>6 Orchestration and Integration</b>
2.4.4 Branch virtualization processes	3.9.1 Centralised vBranch	6.1 Cisco
2.5 Availability and Redundancy	<b>4 NFVI in practice</b>	6.1.1 Network Services Orchestrator
2.5.1 Availability of a VNF	4.1 Virtualization on routers and switches	6.2 LFN
2.5.2 Redundancy models for VNFCs	4.1.1 Virtual Device Contexts (VDC) on Nexus	6.2.1 OPNFV
2.6 Quality of Service	4.1.2 Logical Systems at Juniper	6.2.2 ONAP
2.6.1 QoS Boundary and Key Quality Indicators	4.1.3 Virtual Containers at Cisco	6.3 Open source MANO
2.6.2 Service Quality Metrics	4.2 Virtual Switches	6.3.1 OSM architecture



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