



Network Functions Virtualisation (NFV); Infrastructure Overview

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group (ISG) Network Functions Virtualisation (NFV).

The present document gives an overview to the series of documents covering the NFV Infrastructure.

Infrastructure Architecture Document		Document #
Overview		GS NFV INF 001
Architecture of the Infrastructure Domains	Compute Domain	GS NFV INF 003
	Hypervisor Domain	GS NFV INF 004
	Infrastructure Network Domain	GS NFV INF 005
Architectural Methodology	Interfaces and Abstraction	GS NFV INF 007
Service Quality Metrics		GS NFV INF 010

Modal verbs terminology

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1 Scope

The present document presents an overview of the architecture of the NFV Infrastructure (NFVI) which supports deployment and execution of Virtualised Network Functions (VNFs).

As well as presenting a general overview description of the NFV Infrastructure, the present document sets the NFV infrastructure and all the documents which describe it in the context of all the documents of the NFV. It also describes how the documents which describe the NFV infrastructure relate to each other.

The present document does not provide any detailed specification but makes reference to specifications developed by other bodies and to potential specifications, which, in the opinion of the NFV ISG could be usefully developed by an appropriate Standards Developing Organisation (SDO).

The overall objectives of the ISG NFV were set out in the white paper [i.1] that led to the founding of the ISG and updated in the white paper update [i.2].

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

- [1] ETSI ETSI GS NFV 001 (V1.1.1) (10-2013): "Network Functions Virtualisation (NFV); Use Cases".
- [2] ETSI ETSI GS NFV 002 (V1.1.1) (10-2013): "Network Functions Virtualisation (NFV); Architectural Framework".
- [3] ETSI ETSI GS NFV 003 (V1.1.1) (10-2013): "Network Functions Virtualisation (NFV); Terminology for Main Concepts in NFV".
- [4] ETSI ETSI GS NFV 004 (V1.1.1) (10-2013): "Network Functions Virtualisation (NFV); Virtualisation Requirements".
- [5] ETSI GS NFV-PER 002 (V1.1.1) (10-2013): "Network Functions Virtualisation (NFV); Proofs of Concepts; Framework".
- [6] ETSI GS NFV-SEC 001 (V1.1.1) (10-2014): "Network Functions Virtualisation (NFV); NFV Security; Problem Statement".