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ETSI GR NFV-SEC 027 V0.0.1 (2021-04)

**Group REPORT**

Network Functions Virtualisation (NFV) Release 4;

Security;

Report on security assurance of NFVI

Release 4

<

Reference

DGR/NFV-SEC027

Keywords

Assurance; NFV; NFVI; Security; test

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# Foreword

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

# Modal verbs terminology

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# Executive summary

# Introduction

# 1 Scope

The present document is a study on the security assurance of NFVI products, i.e., security test cases for evaluating the security NFVI products. Using the security requirements defined in SEC specs (e.g., SEC 012, SEC020, SEC023, SEC025, SEC026, etc.) as inputs, security test cases including testing goals, testing steps, evidence of testing results will be produced for evaluating if the security requirements are fulfilled by NFVI products.

# 2 References

## 2.1 Normative references

Normative references are not applicable in the present document.

## 2.2 Informative 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 referenced document (including any amendments) applies.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] <Standard Organization acronym> <document number><version number/date of publication>: "<Title>".

[i.2] etc.

# 3 Definition of terms, symbols and abbreviations

## 3.1 Terms

For the purposes of the present document, the [following] terms [given in ... and the following] apply:

## 3.2 Symbols

For the purposes of the present document, the [following] symbols [given in ... and the following] apply:

## 3.3 Abbreviations

For the purposes of the present document, the [following] abbreviations [given in ... and the following] apply:

# 4 Overview

## 4.1 Introduction on security assurance methodology

## 4.2 Considerations on security assurance of NFVI products

# 5 Host requirements and related test cases

## 5.1 Introduction

## 5.2 Test cases

# 6 Hypervisor requirements and related test case

## 6.1 Introduction

## 6.2 Test cases

# 7 Container infrastructure service requirements and related test case

## 7.1 Introduction

## 7.2 Test cases

# 8 Conclusions and recommendations

Annex A:  
Format of test cases

The table below specifies the information required to design a test case.

|  |  |  |
| --- | --- | --- |
| **Elements** | **Definition** | |
| **Requirement Name** | The test Requirement Name indicates clearly and briefly which requirement is intended to be tested in the test. | |
| **Requirement Description** | Description of the requirement according to the NFV SEC specifications, e.g., "xxxx" as specified in NFV SEC xxx, clause x.x.x. | |
| **Threat Reference** | Description of the corresponding threat according to the NFV SEC specifications. | |
| **Test Case** | Test name | The Test name identifies the test. Naming convention: TC\_the name of the clause in the present document (which includes the Test Descriptions) |
| Purpose | The test purpose indicates clearly which requirement is intended to be tested in the test. This part eases the understanding of the Test Description behaviour. |
| Pre-conditions | The pre-conditions field defines the conditions that the state of the product under test shall verify before undergoing the actual execution steps. |
| Execution steps | A set of steps of the test, carried out by the Tester to verify conformance of the product under test to the Test purpose. |
| Expected results | Definition of the actions or outputs that the product under test is expected to perform or present. |
| Expected format of evidence | The specific evidence to show the test result, e.g., Screenshot containing the operational results. |

Annex B:  
Title of annex

# B.1 First clause of the annex

## B.1.1 First subdivided clause of the annex

Annex:  
Bibliography

Annex :  
Change History

| Date | Version | Information about changes |
| --- | --- | --- |
| <Month year> | <#> | <Changes made are listed in this cell> |
| 04-2021 | 0.0.1 | Output from SEC#185 |
|  |  |  |
|  |  |  |

# History

|  |  |  |
| --- | --- | --- |
| **Document history** | | |
| <Version> | <Date> | <Milestone> |
|  |  |  |
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|  |  |  |
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*Latest changes made on 2019-09-10*