



# Red Hat

## **CNF Certification Test failures**

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*Table 1. Revision History*

Version	Date	Who	Changes
1.0	September 7, 2023	David Rabkin	Initial Version

*Table 2. Terminology*

Acronym	Meaning
CNF	Containerized Network Function
OCP	OpenShift Container Platform
RHCOS	Red Hat Enterprise Linux CoreOS operating system
RHEL	Red Hat Enterprise Linux operating system

## Overview

A major part of Telco partner certification is [CNF Certification Test](#). These test cases are specifically designed to verify whether the deployment of the Telco partner's solution on Red Hat OpenShift follows the [CNF Best Practices](#) and the [Operator Best Practices](#). By conducting these tests, we ensure that the implementation aligns with the recommended standards and guidelines for optimal performance and compatibility.

In the suite, there are [88 test cases](#), consisting of both mandatory and optional cases. These cases are divided among nine different suites.

## Operators

We conducted the [CNF Certification Test](#) on over two hundred of [Red Hat's operators](#) on OCP 4.13. Consequently, we have detected an average of approximately thirty failures per operator. For additional details, please refer to the [CNF Report for Operators on OCP 4.13](#). You can use the operator name filter to narrow down your search.

## Failures

The first priority should be addressing the most commonly required mandatory tests:

- `platform-alteration-tainted-node-kernel` [1]
- `access-control-security-context-non-root-user-check`
- `observability-termination-policy`
- `platform-alteration-isredhat-release`

[1] A known bug exists in OCP 4.12, specifically within RHCOS 8.6, causing test failures on one or more master nodes. Further details can be found in the [Tainted Kernel Tech Preview](#). We should differentiate between taints originating from our side (ideally none) and those arising from the CNF under test.

The failures are categorized by operators in the [CNF Report for Operators on OCP 4.13](#). This method enables the filtering of failures based on specific operators.