

# Table of Contents

rfc1583 compatibility ..... 3



# rfc1583 compatibility

To minimize the chance of routing loops, all Open Shortest Path First (OSPF) routers in an OSPF routing domain should have RFC compatibility set identically.

Because of the introduction of RFC 2328, OSPF Version 2, the method used to calculate summary route costs has changed. Use the *no rfc1583compatibility* command to enable the calculation method used per RFC 2328.

## Example config

campus01-b02-access01 and campus01-b02-access02 are the two reference devices which we are using for this example. One has rfc1583 configuration and other does not.

**campus01-b02-access01#**

```
router ospf 2
no rfc1583compability
```

**campus01-b02-access02#**

```
router ospf 10
!
!
```

## How its done

Below are the steps to create new policy.

*Operate → Compliance → Policies → New→*

Edit Policy

Name:

Sample 6 : rfc1583 compatibility

Description:

Enabled:

☒

Run compliance on config change:

☒

Signal type:

☒ Trap

☐ Syslog

☐ Email

☐ REST API

Signal trigger:

☒ From compliant to non-compliant

☐ From non-compliant to compliant

☐ From non-compliant to non-compliant

☐ From compliant to compliant

Close

Apply

OK

Click on the Node Group to select the relevant group of devices to add. Node group named “building2\_access” holds the nodes of both the nodes:

Node group	Tag	Scope
building2_access		all

New

Delete

Rule → New

Edit condition

Name: A

Type: ConfigBlock

☒ Enabled

☐ This is a logical condition

☐ Lines contain regular expressions

☐ Match in exact order

Must contain

no rfc1583compatibility

Must not contain any additional lines containing:

Close

Apply

OK

## Report/test results:

Below is how to create reports to see the results of the compliance policies.

*Operate → Compliance → Reports → New → Report Name "test" → Report type "Policies" → Policy Name "Sample6 : rfc1583compatibility" → Show Report*

Report

Policies

Policy name	Compliant?	Severity	Last change date
Sample 6 : rfc1583 compatibility	no	Minor	2021-01-25 08:27:16

1

/ 1

250 items per page

1 of 1 items

Search

Show report

Compliance checks

Hostname	Policy	Fqdn	Severit...	Compliant...	Last check date	Last change date
campus01-b02-access01	Sample 6 : rfc1583 compatibility	campus01-b02-access...	-	Compliant	2021-01-25 08:27:16	2021-01-25 08:27:16
campus01-b02-access02	Sample 6 : rfc1583 compatibility	campus01-b02-access...	Minor	Not compliant	2021-01-25 08:27:16	2021-01-25 08:27:16

This was a simple example to understand how to implement compliance policy to verify rfc1583 configuration.

From:  
<https://wiki.netyce.com/> - **Technical documentation**

Permanent link:  
<https://wiki.netyce.com/doku.php/guides:user:compliance:examples:rfc1583>

Last update: **2022/04/29 08:40**

