

# Address ACI Fault Code F0469: duplicate-subnets-within-ctx/dhcp-policy-not-present

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## Introduction

This document describes the steps for remediation of ACI fault F0469.

## Background Information

Fault:

F0469: fltFvBDConfigIssuesConfig-failed

Explanation:

This fault occurs when there are one or more duplicate Subnets defined for Bridge Domain (BDs) or/and AEpGs associated with the Ctx.

Recommended Action:

If you see this fault, take these actions:

- For duplicate-subnets-within-ctx issue: Find the Ctx that this BD is associated with and find all other BDs associated with the Ctx, find all the AEpGs associated with BDs found in the previous step, and verify that there are no single subnets configured for AEpGs and BDs associated with Ctx.
- For the dhcp-policy-not-present issue: Check the configuration and ensure that the DHCP Policy Profile consumed by BD is defined in Tenant.

If this action does not resolve the issue, create a tech-support file and contact Cisco TAC.

## Example 1. duplicate-subnets-within-ctx

```
moquery -c faultInst -f 'fault.Inst.code=="F0469"'
```

```
# fault.Inst
```

```
code : F0469
```

```
ack : no
```

```
annotation :
```

```
cause : configuration-failed
```

```
changeSet : configQual:duplicate-subnets-within-ctx, configSt:failed-to-apply, debugMessage:uni/tn-prj_
```

```
childAction :
```

```
created : 2021-02-26T08:17:51.577+00:00
delegated : yes
descr : BD Configuration failed for uni/tn-prj_e34f5d661fdc40829879720415a3dab5/BD-net_7eef8519-0731-43
dn : topology/pod-1/node-112/local/svc-policyelem-id-0/uni/bd-[uni/tn-prj_e34f5d661fdc40829879720415a3d
domain : tenant
extMngdBy : undefined
highestSeverity : minor
lastTransition : 2021-02-26T08:20:11.597+00:00
lc : raised
modTs : never
occur : 1
origSeverity : minor
prevSeverity : minor
rn : fault-F0469
rule : fv-bdconfig-issues-config-failed
severity : minor
status :
subject : management
type : config
uid :
```

Get the BD information and the associated subnet.

```
apic# moquery -c fvSubnet
```

```
apic# moquery -c fvBD
```

Check the subnets deployed in order to track any overlap within the same Virtual Routing and Forwarding (VRF) (Ctx) for a different BD.

```
moquery -c fvSubnet | grep ^dn
```

Fix:

Correct the subnet overlap.

## Example 2. dhcp-policy-not-present

```
Site1-apic1# moquery -c faultInst -f 'fault.Inst.code=="F0469"'
Total Objects shown: 2
```

```
# fault.Inst
code : F0469
ack : no
alert : no
annotation :
cause : configuration-failed
changeSet : configQual (New: dhcp-policy-not-present), configSt (New: failed-to-apply)
childAction :
created : 2024-01-23T13:43:08.484-05:00
delegated : yes
descr : BD Configuration failed for uni/tn-abc3/BD-BD1 due to dhcp-policy-not-present:
dn : topology/pod-1/node-101/local/svc-policyelem-id-0/uni/bd-[uni/tn-abc3/BD-BD1]-isSvc-no/bdcfgissues
domain : tenant
extMngdBy : undefined
highestSeverity : minor
```

```
lastTransition : 2024-01-23T13:45:53.575-05:00
lc : raised
modTs : never
occur : 1
origSeverity : minor
prevSeverity : minor
rn : fault-F0469
rule : fv-bdconfig-issues-config-failed
severity : minor
status :
subject : management
title :
type : config
uid :
userdom : all
```

Check the DHCP label deployed for the BD in question.

```
Site1-apic1# moquery -c dhcpLb1

# dhcp.Lb1
name : test1
annotation :
childAction :
descr :
dn : uni/tn-abc3/BD-BD1/dhcp1b1-test1
extMngdBy :
lcOwn : local
modTs : 2024-01-23T13:46:03.163-05:00
monPolDn : uni/tn-common/monepg-default
nameAlias :
owner : tenant
ownerKey :
ownerTag :
rn : dhcp1b1-test1
status :
tag : yellow-green
uid : 15374
userdom : :all:
```

Check if the relay policy exists, in this case, it is the test1 dhcp relay policy. In the next output, you can see that the test1 dhcp relay policy does not exist, hence, the error is seen.

```
Site1-apic1# moquery -c dhcpRelayP | grep dn
dn : uni/tn-pk/relayp-PK-Global-DHCP-Relay-Policy
dn : uni/infra/relayp-default
```

Fix:

Remove the DHCP label that does not have a corresponding policy tied to it.