

# Disconnect Reason ims-authorization-revoked

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## Introduction

This document describes the reason for the ims-authorization-revoked disconnect. The **show session disconnect-reasons** command shows the internal disconnect reason that is currently overserved in the system.

## When the ims-authorization-revoked Disconnect Reason is Pegged?

The most common scenario is the PGW receives Re-Auth-Request (RAR) from PCRF to release the session. To understand the exact scenario the monitor subscriber (verbosity 3 and Multi-Call Trace options) and/or packet capture must be collected. Here is a snippet of monitor subscriber trace where the PCRF releases the session with ims-authorization-revoked disconnect reason by sending RAR with UNSPECIFIED\_REASON at Session-Release-Cause.

As per [3GPP 29.212](#)

“If the PCRF decides to terminate an IP CAN session due to an internal trigger or trigger from the SPR, the PCRF shall send a RAR command including the Session-Release-Cause AVP to the PCEF. The PCEF shall acknowledge the command by sending an RAA command to the PCRF.”

<#root>

```
Monday April 12 2021
INBOUND>>>>> 20:06:25:072 Eventid:81991(5)
Diameter message from 10.10.10.20:3868 to 10.10.10.10:33433
Base Header Information:
Version: 1
Message Length: 200
Command Flags: REQ PXY (192)

Command Code: Re-Auth-Request (258)
```

```
Application ID: 3GPP-Gx (16777238)
Hop2Hop-ID: 0x46e0a2bf
End2End-ID: 0x8d78a2bf
AVP Information:
[M] Session-Id: pgw1.gx.cisco.com;20008;1281;6074a7f7-102
[M] Auth-Application-Id: 16777238
[M] Origin-Host: gx.cisco.com
[M] Origin-Realm: cisco.com
[M] Destination-Host: pgw1.gx.cisco.com
[M] Destination-Realm: cisco.com
[M] Re-Auth-Request-Type: AUTHORIZE_ONLY (0)
```

[V] [M] Session-Release-Cause: UNSPECIFIED\_REASON (0)

Monday April 12 2021

<<<<OUTBOUND 20:06:25:073 Eventid:81990(5)

Diameter message from 10.10.10.10:33433 to 10.10.10.20:3868

Base Header Information:

Version: 1

Message Length: 208

Command Flags: PXY (64)

Command Code: Re-Auth-Answer (258)

Application ID: 3GPP-Gx (16777238)

Hop2Hop-ID: 0x46e0a2bf

End2End-ID: 0x8d78a2bf

AVP Information:

[M] Session-Id: pgw1.gx.cisco.com;20008;1281;6074a7f7-102

[M] Origin-Host: pgw1.gx.cisco.com

[M] Origin-Realm: cisco.com

[M] Result-Code: DIAMETER\_SUCCESS (2001)

[M] Origin-State-Id: 1618246385

[V] [M] 3GPP-User-Location-Info: Location Type: TAI+ECGI (130) Location Info (TAI): 001-01-0x3FE Locati

[V] [M] 3GPP-MS-TimeZone: MS Time Zone: -0:00 Daylight Saving Time: +0 hour

[V] [M] Access-Network-Charging-Address: IPv4 10.10.10.5

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Monday April 12 2021

\*\*\*CONTROL\*\*\* 20:06:25:139 Eventid:10285

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Disconnect Reason: ims-authorization-revoked

Last Progress State: GTP-PDN-IPv4-Connected

## Related Information

- [Statistics and Counters Reference StarOS Guide.](#)