



# GTPv2 Cause Code Change for S6b Interface

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## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	<ul style="list-style-type: none"><li>• P-GW</li><li>• SAEGW</li></ul>
Applicable Platform(s)	<ul style="list-style-type: none"><li>• ASR 5500</li><li>• VPC-DI</li></ul>
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"><li>• <i>Command Line Interface Reference</i></li><li>• <i>P-GW Administration Guide</i></li><li>• <i>SAEGW Administration Guide</i></li><li>• <i>Statistics and Counters Reference</i></li></ul>

### Revision History

Revision Details	Release
First introduced.	21.24

## Feature Description

When the S6b service is unreachable or connections are unstable while sending the Create Session Response, the S6b interface modifies the existing GTPv2 cause code 92/0x5C (user authentication failed) to cause code 73/0x49 (no resources available).

## Configuring S6b Retry Code

Use the following configuration to apply S6b retry code from Diameter:

```
configure
  context context_name
    pgw-service service_name
      egtp { reject-cause { no-resource [ s6b-link-failure ] {
s6b-retry-code } }
        [ no | default ] egtp reject-cause no-resource
      end
    end
```

### NOTES:

- **reject-cause:** Configures options for handling response with reject-cause.
- **no-resource:** Configures handling for Create Session Response with cause code no-resource.
- **s6b-link-failure:** Responds with no-resource for S6b server unreachability during authentication.
- **s6b-retry-code:** Responds with no-resource for S6b diameter result-codes—3002, 3004, 3005 and 5198.

## Monitoring and Troubleshooting

This section provides information regarding show commands and/or their outputs.

### Show Command and Output

**show pgw-service name <pgw\_service\_name>**

The output of this command is enhanced to include the following fields. These fields indicate whether EGTP-C cause code mapping for S6b Link Failure and S6b Retry Code is enabled or disabled.

- EGTP-C Cause Code Mapping (S6b Link Failure) : Enabled or Disabled
- EGTP-C Cause Code Mapping (S6b Retry Code) : Enabled or Disabled