

# S-GW Address Based Combined SPGW Selection


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## Feature Summary and Revision History

### Summary Data

| | |
|---|---|
| Applicable Product(s) or Functional Area | MME |
| Applicable Platform(s) | • ASR 5500<br>• VPC-DI<br>• VPC-SI |
| Default Setting | Disabled - Configuration required |
| Related Changes in This Release | Not Applicable |
| Related Documentation | • *Command Line Interface Reference*<br>• *MME Administration Guide* |

### Revision History

| Revision Details | Release |
|---|---|
| First introduced. | 21.15 |

# Feature Description

The MME allows to configure the Gateway selection priority when priority is configured as S-GW. MME selects S-GW first, and P-GW will be selected based on the co-location string from the selected S-GW. For the additional PDN, P-GW is selected based on the colocation string from the selected S-GW. When this feature is not configured, by default P-GW is selected first.

**Important** This behavior is applicable only to the initial attach and PDN connectivity.

# Configuring S-GW Address Based Combined SPGW Selection

## Select S-GW as Priority

Use the following configuration to select S-GW priority.

```
configure
  apn-profile apn_profile_name
  [ remove ] gateway-selection priority sgw
  end
```

**NOTES:**

- **priority sgw**: Configures S-GW to be selected first.
- **remove**: Removes the configured priority S-GW.

# Monitoring and Troubleshooting

This section provides information regarding show commands available to monitor and troubleshoot the S-GW Address Based Combined SPGW Selection feature.

## Show Commands and Outputs

### show apn-profile full all

The output of this command includes "Gateway Selection Priority" to inidcate gateway selection priority is configured or not.