



# S-GW Address Based Combined SPGW Selection

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 2](#)
- [Configuring S-GW Address Based Combined SPGW Selection, on page 2](#)
- [Monitoring and Troubleshooting, on page 2](#)

## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	<ul style="list-style-type: none"> <li>• ASR 5500</li> <li>• VPC-DI</li> <li>• VPC-SI</li> </ul>
Default Setting	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>MME Administration Guide</i></li> </ul>

### 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 indicate gateway selection priority is configured or not.