



# Configuring ACL SRP Checkpoint

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 2](#)
- [Configuring ACL SRP Checkpoint, on page 2](#)
- [Monitoring and Troubleshooting, on page 2](#)

## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	ASR 5500
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>ASR 5500 System Administration Guide</i></li><li>• <i>Command Line Interface Reference</i></li><li>• <i>Statistics and Counters Reference</i></li></ul>

### Revision History

Revision Details	Release
The Access List (ACL) configuration is supported in SRP checkpoint functionality.	2024.02.0
VRF configuration under the BGP router configuration is supported in SRP checkpoint functionality.	21.27.m0

## Feature Description

The ICSR setup enables SRP Peer configuration validation for access list (ACL) configurations through the **srp-validate access-list** CLI command. Without the configuration of the CLI, access list configuration were not validated for identicalness between the active and standby in ICSR, resulting in denied traffic to be permitted and vice-versa after a switchover.

For more information, refer to the [Configuring SRP Checkpoint](#) section in the *ASR 5500 System Administration Guide*.

## Configuring ACL SRP Checkpoint

Use the following configuration to allow the IP and IPv6 access list configurations for the SRP checkpoint functionality.

```
configure
  context context_name
    service-redundancy-protocol
      [ no ] srp-validate access-list
    end
```

### NOTES:

- **srp-validate**: Enables SRP Peer configuration validation for specific configurations
- **access-list**: Enables SRP Peer configuration validation for ACL.
- **no**: Disables associating with the access list.

## Monitoring and Troubleshooting

This section provides information on how to monitor and troubleshoot using show commands to support this feature.

### Show Commands and Output

This section provides information regarding show commands and their outputs for this feature.

#### show configuration srp

The output of this command is enhanced to display the following field.

*Table 1: show configuration srp Command Output Descriptions*

Field	Description
vrf-srp-validate	Indicates that the SRP validation for BGP VRF configuration is enabled.

Field	Description
srp-validate access-list	Displays that the IP and IPv6 access list configurations for the SRP checkpoint validation is enabled.

show configuration srp