

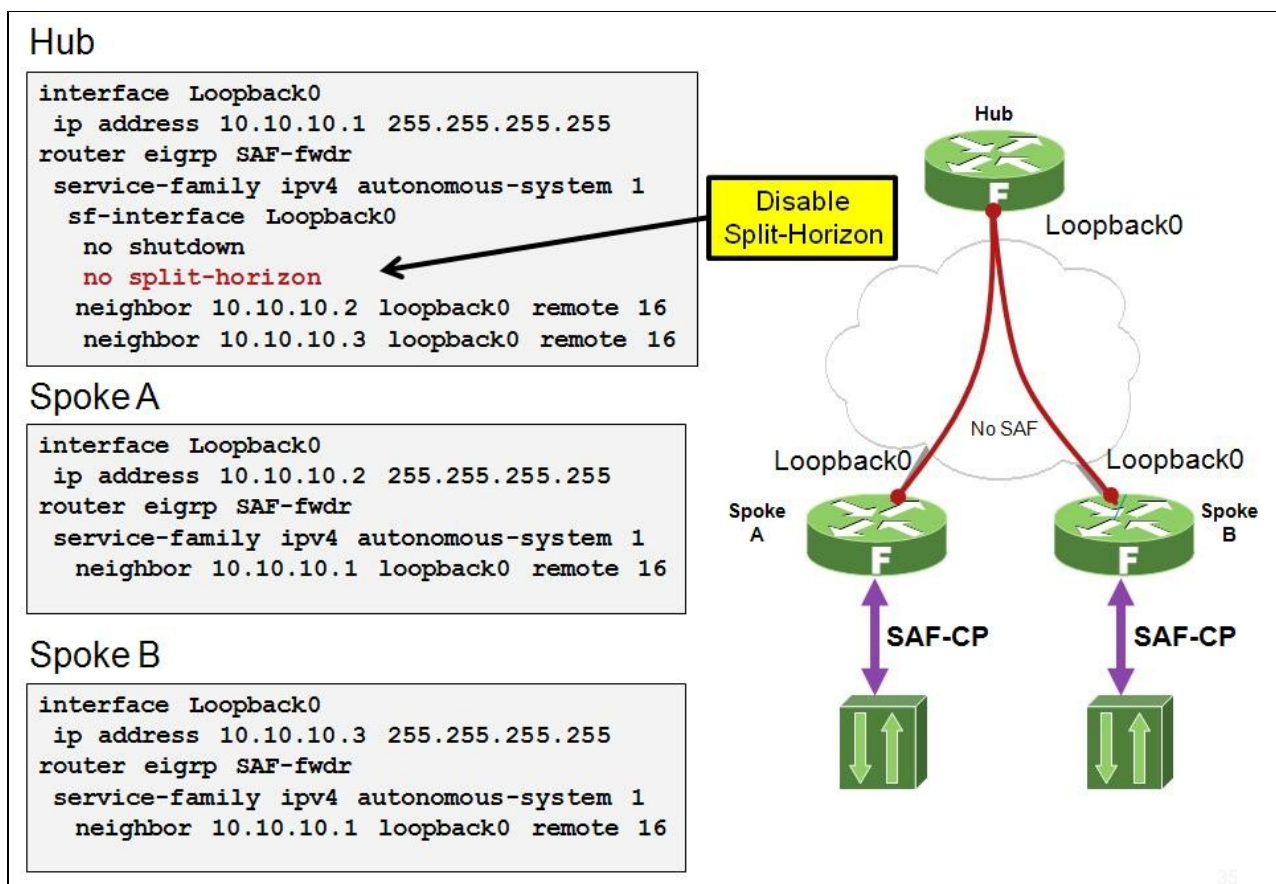
Contents

- [1 Introduction](#)
- [2 Example](#)
 - ◆ [2.1 Commonly Asked Question](#)
- [3 Related show Commands](#)
- [4 Related Information](#)

Introduction

This configuration example demonstrates how to disable split-horizon on an interface for SAF.

Example



Commonly Asked Question

Q: What is split-horizon, when should I disable split-horizon and where should it be configured when using SAF?

A: Similar to EIGRP, split-horizon is used by SAF to prevent service advertisement loops. Split-horizon is enabled by default on all links when SAF is configured. When using remote static neighbors across a non-SAF network in a hub-and-spoke topology, generally all remote neighbors will be configured with a

SAF_and_Split-Horizon_Configuration_Example

single Loopback interface as their source. This results in the Loopback interface behaving as a multipoint link on the hub router.

Disable split-horizon on multipoint links on the hub router when SAF advertisements need to be advertised between spoke routers.

Related show Commands

```
sh eigrp service-family ipv4 int detail
```

Example:

```
Hub#sh eigrp service-family ipv4 interface detail
EIGRP-SFv4 VR(SAF) Service-Family Interfaces for AS(1)
Interface      Peers Un/Reliable  SRTT  Pacing Time  Multicast  Pending
                Un/Reliable Flow Timer  Services
Lo0           2      0/0          0     0/1           0           0
Hello-interval is 5, Hold-time is 15
Split-horizon is disabled
Next xmit serial <none>
Un/reliable mcasts: 0/0 Un/reliable ucasts: 0/0
Mcast exceptions: 0 CR packets: 0 ACKs suppressed: 0
Retransmissions sent: 0 Out-of-sequence rcvd: 0
Topology-ids on interface - 0
Authentication mode is not set
```

Related Information

[Technical Support & Documentation - Cisco Systems](#) [SAF Product Page - Cisco Systems](#) [Cisco IOS SAF Configuration Guide - Cisco Systems](#)