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Introduction

Similar to [EIGRP stub routing](#), the SAF stub feature helps improve scalability and network stability by allowing stub networks to learn services while advertising either (1) locally published services or (2) no services at all.

The configuration examples below demonstrate how to configure SAF stub forwarders that both learn services while one advertises locally published services and the other no services at all.

Example(s)

Example 1: Learn normally & advertise local services

```
router eigrp SAF-fwdr
  service-family ipv4 autonomous-system 1
  eigrp stub connected
```

Example 2: Learn normally but don't advertise services

```
router eigrp SAF-fwdr
  service-family ipv4 autonomous-system 1
  eigrp stub receive-only
```

Commonly Asked Question

Q: Does the SAF stub feature need to be configured on both distribution and stub routers?

A: The SAF stub feature only needs to be configured on the stub router(s). Use the related show command below on the distribution router(s) to verify that a remote router(s) has been configured as a SAF stub.

Related show Command

To verify that a remote router has been configured as a SAF forwarder with the SAF stub feature, use the **show eigrp service-family ipv4 neighbor detail** command from the distribution router in privileged EXEC mode. The last line of the output will show the stub status of the remote or spoke router.

The following example output is from the **show eigrp service-family ipv4 neighbor detail** command issued

SAF_Stub_Forwarder_Configuration_Example

on a distribution router:

Example:

```
Hub#sh eigrp service-family ipv4 neighbors detail
EIGRP-SFv4 VR(saf) Service-Family Neighbors for AS(1)
H  Address          Interface    Hold Uptime  SRTT  RTO  Q   Seq
      (sec)              (ms)
0  10.122.0.2        Et0/1       14 00:01:33  24   200  0   3
Version 5.0/3.0, Retrans: 0, Retries: 0
Topology-ids from peer - 0
Stub Peer Advertising (CONNECTED ) Services
Suppressing queries
1  10.112.0.1        Et0/0       14 00:00:09  20   1014  0   5
Version 5.0/3.0, Retrans: 0, Retries: 0
Topology-ids from peer - 0
Receive-Only Peer Advertising (No) Services
Suppressing queries
```

Related Information

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