

# EIGRP GRE over IPSec 通过中心和多个远程站点路由配置示例

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## 简介

本文档说明如何配置 GRE over IPSec，实现中央站点向多个远程站点的路由。Cisco 7206 路由器为中央站点路由器，其他所有站点都通过 IPSec 与其连接。Cisco 2610、3620 及 3640 路由器为远程路由器。所有站点都能通过连接主站点的隧道到达 Cisco 7206 后的主网络及其他所有远程站点，路由更新将通过增强型内部网关路由协议 (EIGRP) 自动执行。

## 先决条件

### 先决条件

本文档的开发和测试采用下列软件和硬件版本。

### 使用的组件

本文档中的信息基于以下软件和硬件版本：

- 运行 Cisco IOS® 软件版本 12.3(1) IK9S 的 Cisco 7206 路由器
- 运行 Cisco IOS 软件版本 12.3(1) IK9S 的 Cisco 2621XM 路由器
- 运行 Cisco IOS 软件版本 12.3(1) IK9S 的 Cisco 3640 路由器
- 运行 Cisco IOS 软件版本 12.3(1) IK9S 的 Cisco 3640 路由器

本文档中的信息都是基于特定实验室环境中的设备创建的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您是在真实网络上操作，请确保您在使用任何命令前已经了解其潜在影响。

## 规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

## 网络图

本文档使用以下网络设置：

## 配置

本过程将引导您对 IPsec 隧道进行配置，以通过中央站点与多个远程站点建立路由。本过程分为以下三个主要步骤。

- [配置通用路由封装 \(GRE\) 隧道](#)
- [为 GRE 隧道配置加密](#)
- [配置路由协议](#)

## 配置 GRE 隧道

按照下列步骤配置 GRE 隧道：

1. 从每个远程站点创建一个通往总部的 GRE 隧道。在 Cisco 7206 路由器上为每个远程站点设置隧道接口。

```
interface Tunnel0
  ip address 192.168.16.2 255.255.255.0
  tunnel source FastEthernet1/0
  tunnel destination 14.38.88.10
!
interface Tunnell
  ip address 192.168.46.2 255.255.255.0
  tunnel source FastEthernet1/0
  tunnel destination 14.38.88.40
!
interface Tunnel2
  ip address 192.168.26.2 255.255.255.0
  tunnel source FastEthernet1/0
  tunnel destination 14.38.88.20
```

每条隧道的隧道源为 FastEthernet1/0 接口或用于互联网连接的接口。隧道目标为远程路由器的互联网接口的 IP 地址。每条隧道都应在未使用的不同子网中拥有一个 IP 地址。

2. 在 Cisco 2610、3620 和 3640 路由器上配置 GRE 隧道。配置类似于 Cisco 7206 路由器。

### Cisco 2610 路由器

```
interface Tunnel0
  ip address 192.168.16.1 255.255.255.0
  tunnel source Ethernet0/0
  tunnel destination 14.36.88.6
```

### Cisco 3620 路由器

```
interface Tunnel0
  ip address 192.168.26.1 255.255.255.0
  tunnel source Ethernet1/0
  tunnel destination 14.36.88.6
```

## Cisco 3640 路由器

```
interface Tunnel0
 ip address 192.168.46.1 255.255.255.0
 tunnel source Ethernet0/0
 tunnel destination 14.36.88.6
```

每个远程路由器将使用其本地接口连接到互联网作为隧道源。远程路由器对应于 Cisco 7206 路由器上配置的隧道目标 IP 地址。每个远程路由器的隧道目标 IP 地址对应于连接到互联网的 Cisco 7206 路由器接口的 IP 地址。隧道接口的 IP 地址对应于和 Cisco 7206 路由器隧道接口相同子网上的 IP 地址。

3. 确保每个远程路由器都能对隧道目标 IP 地址及主路由器的相应隧道接口执行 ping 操作。此外，确保每个路由器都具有从中央站点路由器执行 ping 操作的能力。**Cisco 2610 路由器**

```
vpn2610#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/3/4 ms
vpn2610#ping 192.168.16.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.16.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 8/8/12 ms
vpn2610#
```

## Cisco 3620 路由器

```
vpn3620#ping 14.38.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.38.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3620#ping 192.168.26.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.26.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/7/8 ms
vpn3620#
```

## Cisco 3640 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

**注意：**如果不是所有路由器都能对中心（集线器）路由器执行 ping 操作，请根据需要使用下列指南对各个连接进行故障排除。远程路由器能否从公有 IP 到公有 IP 对中心路由器执行 ping 操作？两个路由器之间是否有阻塞 GRE 的设备？（路由器上的防火墙和访问列表）执行 **show interface** 命令时会显示隧道接口的哪些内容？

## [为 GRE 隧道配置加密](#)

请完成下列步骤，为 GRE 隧道配置加密：

1. 如果 GRE 隧道成功建立，请继续进行加密。首先，创建访问列表以定义加密数据流。访问列表允许各路由器上本地 IP 地址的数据流发往另一端的 IP 地址。使用 **show version** 命令可显

示缓存引擎正在运行的软件版本。

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

2. 配置 Internet 安全连接和密钥管理协议 (ISAKMP) 策略、ISAKMP 密钥及 IPsec 转换集。单条隧道两端的 ISAKMP 策略、密钥及 IPsec 转换集必须相互匹配。不需要所有隧道都使用相同的策略、密钥或转换集。在本示例中，为简单起见，所有隧道都使用相同的策略、密钥及转换集。**Cisco 7206 路由器**

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

### **Cisco 2610 路由器**

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

### **Cisco 3620 路由器**

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

### **Cisco 3640 路由器**

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
```

```
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

### 3. 配置加密映射。中央站点对应每个连接都有一个单独的序列号。Cisco 7206 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

#### Cisco 2610 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

#### Cisco 3620 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

#### Cisco 3640 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

### 4. 应用加密映射。应将此映射应用于发送数据包的隧道接口和物理接口。Cisco 7206 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## Cisco 2610 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## Cisco 3620 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## Cisco 3640 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## 配置路由协议

要配置路由协议，请为所有站点配置自治系统编号，并指示路由协议 (EIGRP) 共享路由。仅 network 语句中包含的网络才可通过路由协议与其他路由器进行共享。参与路由共享的所有路由器中的自治系统编号必须相互匹配。在本示例中，为简单起见，所使用的网络可汇总为一个 network 语句。

## Cisco 7206 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## Cisco 2610 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## Cisco 3620 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## Cisco 3640 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/6/8 ms
vpn3640#
```

## 示例配置

本文档使用下列示例配置：

- [Cisco 7206 路由器](#)
- [Cisco 2610 路由器](#)
- [Cisco 3620 路由器](#)
- [Cisco 3640 路由器](#)

### Cisco 7206 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is
2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip
```

```
min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 4/6/8 ms
vpn3640#
```

### Cisco 2610 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 4/6/8 ms
vpn3640#
```

### Cisco 3620 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 4/6/8 ms
vpn3640#
```

### Cisco 3640 路由器

```
vpn3640#ping 14.36.88.6
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.36.88.6, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 1/2/4 ms
vpn3640#ping 192.168.46.2
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.46.2, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip
min/avg/max = 4/6/8 ms
vpn3640#
```



## 验证

本部分所提供的信息可用于确认您的配置是否正常工作。

[命令输出解释程序工具 \( 仅限注册用户 \)](#) 支持某些 **show** 命令，使用此工具可以查看对 **show** 命令输出的分析。

- **show ip route** — 使用此命令可以确保通过路由协议来获知路由。

### Cisco 7206 路由器

```
sec-7206#show ip route
```

```
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is 14.36.1.1 to network 0.0.0.0
C    192.168.46.0/24 is directly connected, Tunnel1
D    192.168.10.0/24 [90/297372416] via 192.168.16.1, 05:53:23, Tunnel0
D    192.168.40.0/24 [90/297372416] via 192.168.46.1, 05:53:23, Tunnel1
C    192.168.26.0/24 is directly connected, Tunnel2
D    192.168.20.0/24 [90/297372416] via 192.168.26.1, 05:53:21, Tunnel2
C    192.168.16.0/24 is directly connected, Tunnel0
     14.0.0.0/16 is subnetted, 1 subnets
C      14.36.0.0 is directly connected, FastEthernet1/0
S*   0.0.0.0/0 [1/0] via 14.36.1.1
sec-7206#
```

### Cisco 2610 路由器

```
vpn2610#show ip route
```

```
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route

Gateway of last resort is 14.38.1.1 to network 0.0.0.0
D    192.168.46.0/24 [90/310044416] via 192.168.16.2, 05:53:55, Tunnel0
C    192.168.10.0/24 is directly connected, Loopback0
D    192.168.40.0/24 [90/310172416] via 192.168.16.2, 05:53:55, Tunnel0
D    192.168.26.0/24 [90/310044416] via 192.168.16.2, 05:53:55, Tunnel0
D    192.168.20.0/24 [90/310172416] via 192.168.16.2, 05:53:53, Tunnel0
C    192.168.16.0/24 is directly connected, Tunnel0
     14.0.0.0/16 is subnetted, 1 subnets
C      14.38.0.0 is directly connected, Ethernet0/0
S*   0.0.0.0/0 [1/0] via 14.38.1.1
vpn2610#
```

### Cisco 3620 路由器

```
vpn3620#show ip route
```

```
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
```

```
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is 14.38.1.1 to network 0.0.0.0
D 192.168.46.0/24 [90/310044416] via 192.168.26.2, 05:54:15, Tunnel0
D 192.168.10.0/24 [90/310172416] via 192.168.26.2, 05:54:15, Tunnel0
D 192.168.40.0/24 [90/310172416] via 192.168.26.2, 05:54:15, Tunnel0
C 192.168.26.0/24 is directly connected, Tunnel0
C 192.168.20.0/24 is directly connected, Loopback0
D 192.168.16.0/24 [90/310044416] via 192.168.26.2, 05:54:15, Tunnel0
14.0.0.0/16 is subnetted, 1 subnets
C 14.38.0.0 is directly connected, Ethernet1/0
S* 0.0.0.0/0 [1/0] via 14.38.1.1
vpn3620#
```

## Cisco 3640 路由器

```
vpn3640#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is 14.38.1.1 to network 0.0.0.0
C 192.168.46.0/24 is directly connected, Tunnel0
D 192.168.10.0/24 [90/310172416] via 192.168.46.2, 05:54:32, Tunnel0
C 192.168.40.0/24 is directly connected, Loopback0
D 192.168.26.0/24 [90/310044416] via 192.168.46.2, 05:54:32, Tunnel0
D 192.168.20.0/24 [90/310172416] via 192.168.46.2, 05:54:30, Tunnel0
D 192.168.16.0/24 [90/310044416] via 192.168.46.2, 05:54:32, Tunnel0
14.0.0.0/16 is subnetted, 1 subnets
C 14.38.0.0 is directly connected, Ethernet0/0
S* 0.0.0.0/0 [1/0] via 14.38.1.1
vpn3640#
```

**注意：** Cisco 7206 路由器中装有集成服务适配器 (ISA) 卡，因此传递路由更新时可能需要禁用 Cisco 快速转发 (CEF)。

## 故障排除

目前没有针对此配置的故障排除信息。

## 相关信息

- [IPSec 支持页面](#)
- [技术支持 - Cisco Systems](#)