

用CGR2010和以太网交换机模块配置的枝干上的路由器

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简介

本文描述如何用CGR2010和Cisco以太网交换机模块(ESM)配置的枝干上的路由器。

先决条件

要求

Cisco 建议您了解以下主题：

- 路由和交换基本原理
- CGR2010和ESM体系结构。
- CGR2010必须运行Cisco IOS Release 15.1(4)M或为了高度运行交换机模块。

使用的组件

本文的信息根据与Cisco IOS Release 15.1(4)M的此硬件/软件版本CGR2010

在本文的输出从设备在特定实验室环境里被采取了。用于本文的所有设备从原始启动了。如果您的网络实际，请保证您了解所有命令的潜在影响。

配置

ESM模块：

```
!-- - Default configuration - -!
```

```
interface Port-channel48
description Internal backplane interface. Use caution while changing the configuration
switchport mode trunk
```

end

```
interface Vlan33
ip address 192.168.33.33 255.255.255.0
```

```
interface Vlan44
ip address 192.168.44.44 255.255.255.0
```

```
interface Vlan55
ip address 192.168.55.55 255.255.255.0
```

退出ESM模块。按密钥组合：ctrl+shift+6然后x。

写disconnect完成ESM会话。

CGR2010配置：

```
interface GigabitEthernet0/0/0.33
encapsulation dot1Q 33
ip address 192.168.33.1 255.255.255.0
end
```

```
interface GigabitEthernet0/0/0.44
encapsulation dot1Q 44
ip address 192.168.44.1 255.255.255.0
end
```

```
interface GigabitEthernet0/0/0.55
encapsulation dot1Q 55
ip address 192.168.55.1 255.255.255.0
end
```

验证

执行一些ping从ESM到CGR2010虚拟接口：

连接对192.168.55.1从所有SVI来源。

```
Switch#ping 192.168.55.1 source vlan 33
```

```
Type escape sequence to abort.
```

```
Sending 5, 100-byte ICMP Echos to 192.168.55.1, timeout is 2 seconds:
```

```
Packet sent with a source address of 192.168.33.33
```

```
!!!!
```

```
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/9 ms
```

Switch#ping 192.168.55.1 source vlan 44

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.55.1, timeout is 2 seconds:

Packet sent with a source address of 192.168.44.44

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/9 ms

Switch#ping 192.168.55.1 source vlan 55

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.55.1, timeout is 2 seconds:

Packet sent with a source address of 192.168.55.55

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/3/8 ms

连接对192.168.33.1从所有SVI来源。

Switch#ping 192.168.33.1 source vlan 33

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.33.1, timeout is 2 seconds:

Packet sent with a source address of 192.168.33.33

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/203/1007 ms

Switch#ping 192.168.33.1 source vlan 44

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.33.1, timeout is 2 seconds:

Packet sent with a source address of 192.168.44.44

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/8 ms

Switch#ping 192.168.33.1 source vlan 55

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 192.168.33.1, timeout is 2 seconds:

Packet sent with a source address of 192.168.55.55

!!!!!

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/8 ms

相关信息

[CGR2010需求](#)

[ESM Port-Channel48](#)