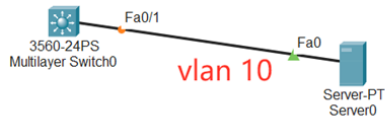


## 组网及说明



vlan 10:192.168.1.1/24

本案例采用思科模拟器来模拟SYSLOG典型组网配置案例，在该网络中，S3560交换机作为SYSLOG客户端，服务器作为SYSLOG服务器，S3560交换机通过SYSLOG配置将日志上送到日志服务器。

## 配置步骤

1. 配置交换机VLAN，确保交换机与服务器互通。
2. 开启服务器的SYSLOG功能。
3. 交换机配置SYSLOG，并指向到SYSLOG服务器。
4. 在服务器上能看到交换机上送过来的日志。

## 配置关键点

MSW:

```
Switch>
```

```
Switch>ena
```

```
Switch#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Switch(config)#hos MSW
```

```
MSW(config)#vlan 10
```

```
MSW(config)#int f 0/1
```

```
MSW(config-if)#sw mo acc
```

```
MSW(config-if)#sw acc vlan 10
```

```
MSW(config-if)#exit
```

```
MSW(config)#int vlan 10
```

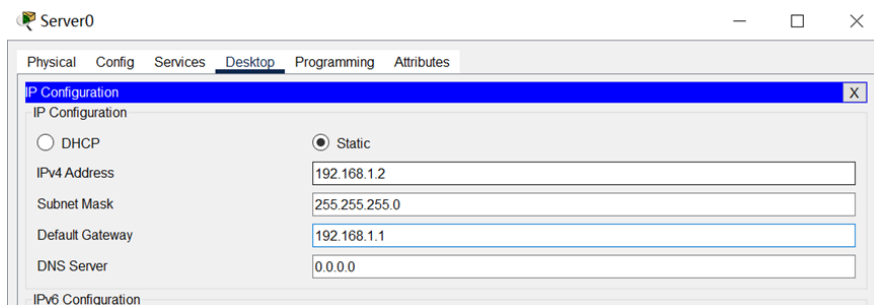
```
MSW(config-if)#ip address 192.168.1.1 255.255.255.0
```

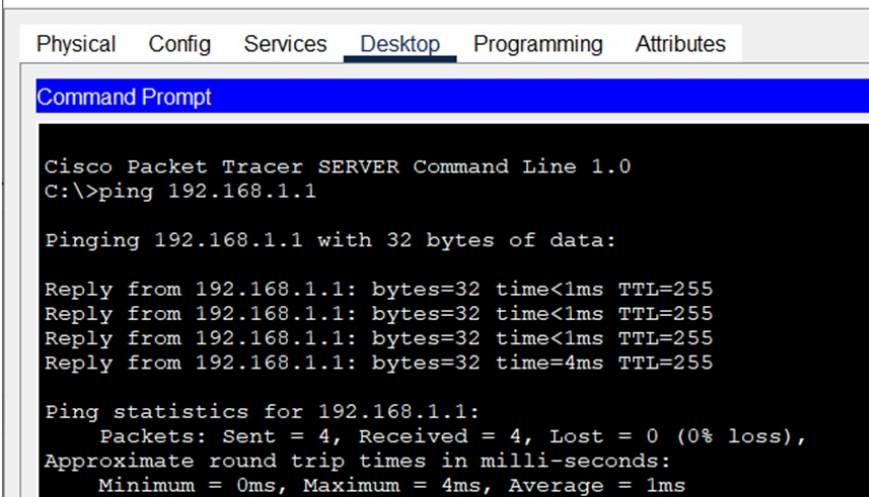
```
MSW(config-if)#no shutdown
```

```
MSW(config-if)#exit
```

```
MSW(config)#ip routing
```

服务器填写IP地址，且能PING通交换机。





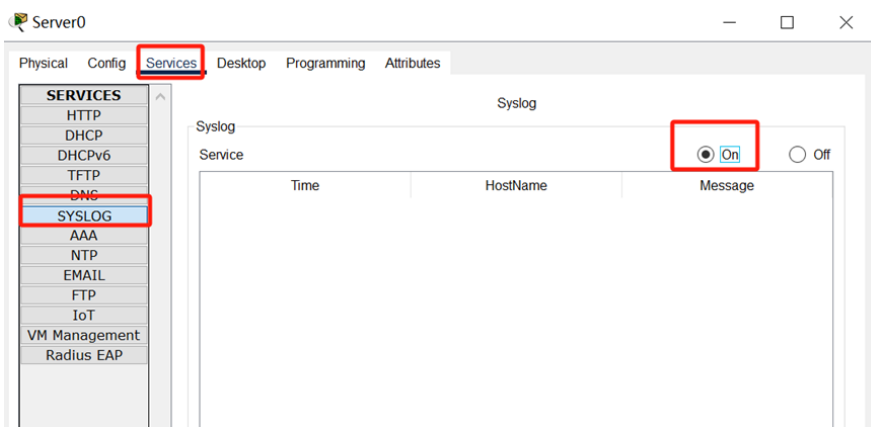
SYSLOG配置:

(1) 交换机配置SYSLOG功能

MSW(config)#logging on

MSW(config)#logging host 192.168.1.2

(2) 服务器开启SYSLOG功能



(3) 查看交换机SYSLOG的功能已开启

```

MSW#show logging
Syslog logging: enabled (0 messages dropped, 0 messages rate-limited,
0 flushes, 0 overruns, xml disabled, filtering disabled)

No Active Message Discriminator.

No Inactive Message Discriminator.

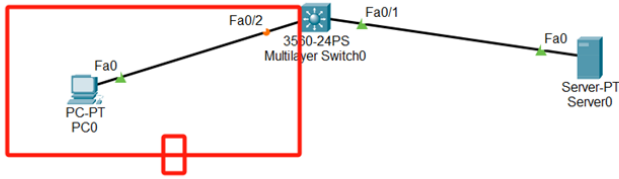
  Console logging: level debugging, 8 messages logged, xml disabled,
    filtering disabled
  Monitor logging: level debugging, 8 messages logged, xml disabled,
    filtering disabled
  Buffer logging: disabled, xml disabled,
    filtering disabled

Logging Exception size (4096 bytes)
Count and timestamp logging messages: disabled
Persistent logging: disabled

No active filter modules.

ESM: 0 messages dropped
  Trap logging: level informational, 8 message lines logged
    Logging to 192.168.1.2 (udp port 514, audit disabled,
      authentication disabled, encryption disabled, link up),
      2 message lines logged,
      0 message lines rate-limited,
      0 message lines dropped-by-MD,
      xml disabled, sequence number disabled
      filtering disabled
    
```

在交换机生成日志，接入一台PC到交换机的F0/24接口，让交换机生成接口UP DOWN的日志。



Multilayer Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```

MSW>
MSW>ena
MSW#conf t
Enter configuration commands, one per line. End with CNTL/Z.
MSW(config)#exit
MSW#
%SYS-5-CONFIG_I: Configured from console by console
show
MSW#show logg
MSW#show logging
Syslog logging: enabled (0 messages dropped, 0 messages rate-limited,
0 flushes, 0 overruns, xml disabled, filtering disabled)

No Active Message Discriminator.

No Inactive Message Discriminator.

Console logging: level debugging, 9 messages logged, xml disabled,
filtering disabled
Monitor logging: level debugging, 9 messages logged, xml disabled,
filtering disabled
Buffer logging: disabled, xml disabled,
filtering disabled

Logging Exception size (4096 bytes)
Count and timestamp logging messages: disabled
Persistent logging: disabled

No active filter modules.

ESM: 0 messages dropped
Trap logging: level informational, 9 message lines logged
Logging to 192.168.1.2 (udp port 514, audit disabled,
authentication disabled, encryption disabled, link up),
3 message lines logged,
0 message lines rate-limited,
0 message lines dropped-by-MD,
xml disabled, sequence number disabled
filtering disabled
MSW#
%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
  
```

Copy

在SYSLOG服务器上能看到交换机上送的日志

Server0

Physical Config Services Desktop Programming Attributes

Syslog

Service	Time	HostName	Message
1	192.168.1.1		%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2...
2	192.168.1.1		%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
3	192.168.1.1		%SYS-5-CONFIG_I: Configured from console by console
4	192.168.1.1		%SYS-4-LOGGINGHOST_STARTSTOP: Logging to host 192.168.1.2 port 514 started - CLI initiated
5	192.168.1.1		%SYS-5-CONFIG_I: Configured from console by console

至此，思科交换机SYSLOG典型组网配置案例已完成。