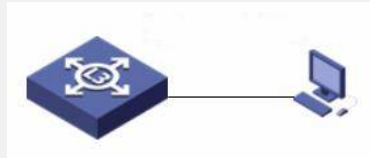


S5000P系列交换机Port Based Vlan的配置

一、组网需求:

目前市场有部分网吧反馈：使用我司S5000P交换机作为网吧的核心交换机，需要实现多个VLAN间的广播隔离，同时又能让客户端能访问服务器上的电影游戏等资源。在S5000P系列交换机上可以用Port Based VLAN实现以上功能，以下将用S5024P交换机为例配置。

二、组网图:



三、配置步骤:

我们以一个具体网吧的配置实例来讲解具体如何配置，请先看需求：
网吧是这样的，共有三个VLAN，要把1-6号作为公共端口，让其它的端口都能访问到它，7-12作为一个VLAN，13-24作为一个VLAN

配置如下：

以24端口为监控端口、其他端口为被监控端口为例，参考配置如下

```
<Quidway>system-view
Enter system view, return to user view with Ctrl+Z.
[Quidway]vlan 1
[Quidway-Vlan1]port g0/1 to g0/12 user-group 2 //将1到12端口加入用户组2
The VLAN state has been changed to port-based VLAN! //提示VLAN类型发生转换
[Quidway-Vlan1]port g0/1 to g0/6 user-group 3
[Quidway-Vlan1]port g0/13 to g0/24 user-group 3
[Quidway-Vlan1]undo port g0/1 to g0/24 user-group 1 //一定记得将配置好的端口从默认的用户组1中删除，否则配置将不起作用
[Quidway-Vlan1]display vlan 1
VLAN State: port-based VLAN
VLAN ID: 1
Route Interface: configured
IP Address: 192.168.0.1
Subnet Mask: 255.255.0.0
Tagged Ports: none
Untagged Ports:
    GigabitEthernet0/1  GigabitEthernet0/2  GigabitEthernet0/3
    GigabitEthernet0/4  GigabitEthernet0/5  GigabitEthernet0/6
    GigabitEthernet0/7  GigabitEthernet0/8  GigabitEthernet0/9
    GigabitEthernet0/10 GigabitEthernet0/11 GigabitEthernet0/12
    GigabitEthernet0/13 GigabitEthernet0/14 GigabitEthernet0/15
    GigabitEthernet0/16 GigabitEthernet0/17 GigabitEthernet0/18
    GigabitEthernet0/19 GigabitEthernet0/20 GigabitEthernet0/21
    GigabitEthernet0/22 GigabitEthernet0/23 GigabitEthernet0/24
User-group:
  User-group-2:
    GigabitEthernet0/1  GigabitEthernet0/2  GigabitEthernet0/3
    GigabitEthernet0/4  GigabitEthernet0/5  GigabitEthernet0/6
    GigabitEthernet0/7  GigabitEthernet0/8  GigabitEthernet0/9
    GigabitEthernet0/10 GigabitEthernet0/11 GigabitEthernet0/12
  User-group-3:
    GigabitEthernet0/1  GigabitEthernet0/2  GigabitEthernet0/3
    GigabitEthernet0/4  GigabitEthernet0/5  GigabitEthernet0/6
    GigabitEthernet0/13 GigabitEthernet0/14  GigabitEthernet0/15
```

```
GigabitEthernet0/16 GigabitEthernet0/17 GigabitEthernet0/18
GigabitEthernet0/19 GigabitEthernet0/20 GigabitEthernet0/21
GigabitEthernet0/22 GigabitEthernet0/23 GigabitEthernet0/24
[Quidway-Vlan1]
```

以上就成功的实现了网吧的需求，配置完成后千万记得保存哦！

四、配置关键点:

1. Port Based VLAN和普通802.1Q VLAN是不能同时配置的，开启Port Based VLAN后即会自动关闭802.1Q VLAN
2. 如果想开启Port Based VLAN，就必须将802.1Q VLAN设置为初始化状态
3. S5000P软件版本D008以上（含D008）才支持配置Port Based VLAN，如果交换机版本较低，请先升级最新软件版本