

# 华为（ensp）静态路由实验

原创

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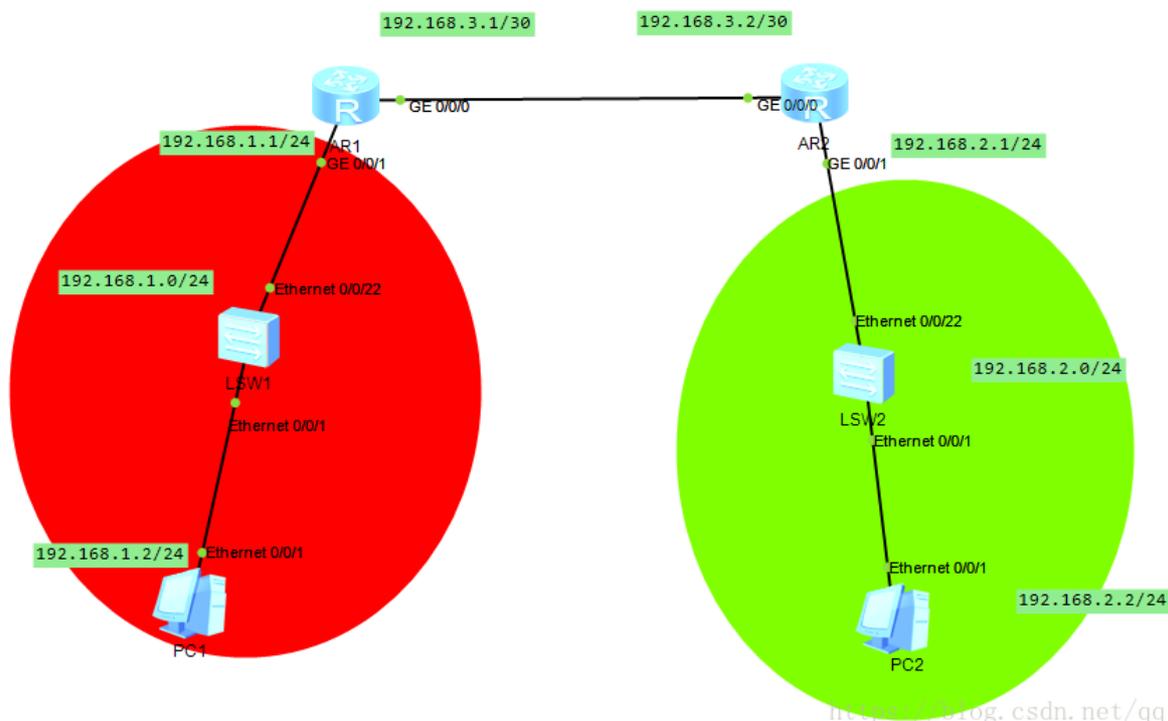


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2 篇文章 0 订阅

订阅专栏

本次实验的拓扑图



第一步, 配置ip地址 PC1 和 PC2的ip地址就不用我说了吧。左边红色区域的网段是: 192.168.1.0/24这个网络 右边网络为:192.168.2.0/24这个网络。下面配置路由器AR1。看下图

```
<Huawei>
<Huawei>system-view
Enter system view, return user view with Ctrl+Z.
[Huawei]int g0/0/1
[Huawei-GigabitEthernet0/0/1]ip ad 192.168.1.1 24
Jul 22 2018 16:13:29-08:00 Huawei %%01IFNET/4/LINK_STATE(1)[0]:The line protocol
IP on the interface GigabitEthernet0/0/1 has entered the UP state.
[Huawei-GigabitEthernet0/0/1]int g0/0/0
[Huawei-GigabitEthernet0/0/0]ip ad 192.168.3.1 30
Jul 22 2018 16:13:55-08:00 Huawei %%01IFNET/4/LINK_STATE(1)[1]:The line protocol
IP on the interface GigabitEthernet0/0/0 has entered the UP state.
```

然后我们配置路由器AR2

```

<Huawei>system-view
Enter system view, return user view with Ctrl+Z.
[Huawei]int g 0/0/0
[Huawei-GigabitEthernet0/0/0]ip ad 192.168.3.2 30
Jul 22 2018 16:16:53-08:00 Huawei %%01IFNET/4/LINK_STATE(1)[0]:The line
IP on the interface GigabitEthernet0/0/0 has entered the UP state.
[Huawei-GigabitEthernet0/0/0]int g0/0/1
[Huawei-GigabitEthernet0/0/1]ip ad 192.168.2.1 24
Jul 22 2018 16:17:06-08:00 Huawei %%01IFNET/4/LINK_STATE(1)[1]:The line
IP on the interface GigabitEthernet0/0/1 has entered the UP state.

```

通过上边的两图配置好ip地址后。

第二步，配置默认路由。

路由器AR1:

```

[Huawei]ip route-static 192.168.2.0 24 192.168.3.2
Error: The route already exists.
[Huawei]

```

默认路由配置原则：你要到达的网络号 + 网络号的子网掩码 + 下一跳的ip地址

路由器AR2:

```

[Huawei]ip route-static 192.168.1.0 24 192.168.3.1
[Huawei]

```

第三步，配置PC1和PC2的IP地址和网关并测试，注意一定要配置网关和点击应用。

PC1

The screenshot shows the configuration window for PC1. It has four tabs: '基础配置' (Basic Configuration), '命令行' (Command Line), '组播' (Multicast), and 'UDP发' (UDP Send). The '基础配置' tab is active. Under 'IPv4 配置' (IPv4 Configuration), the '静态' (Static) radio button is selected, and the 'DHCP' radio button is unselected. The 'IP 地址' (IP Address) field contains '192.168.1.2', the '子网掩码' (Subnet Mask) field contains '255.255.255.0', and the '网关' (Gateway) field contains '192.168.1.1'. The 'MAC 地址' (MAC Address) field contains '54-89-98-AB-4B-F1'. The '主机名' (Hostname) field is empty.

PC2



最后测试PC1 ping PC2

