

### H3C万兆核心路由器SR8800 CPOS E1接口的典型配置

#### 一、组网需求:

1. 组网图中设备之间是SDH网络，提供精度较高的时钟。Router A的CPOS接口和Router B的CPOS接口要求使用光纤通过SDH网络相连，创建的E1串口封装PPP链路层协议进行互通。
2. 组网中也可以没有SDH网络，这时候，需要从Router A和Router B中选取一个时钟精度高的配置为主时钟，另外一个配置为从时钟。

#### 二、组网图:



CPOS对接配置举例组网图

#### 三、配置步骤:

##### 1. 设备A的配置

- 1.1 进入控制口，设置时钟为主时钟

```
<RouterA> system-view
[RouterA] controller Cpos 2/1/9
[RouterA-Cpos2/1/9] clock master
```

- 1.2 在对应的通道下创建串口

```
[RouterA-Cpos2/1/9] e1 1 channel-set 0 timeslot-list 1-31
```

- 1.3 配置串口的链路层封装协议和IP地址

```
[RouterA] interface Serial 2/1/9/1:0
[RouterA-Serial2/1/9/1:0] link-protocol ppp
[RouterA-Serial2/1/9/1:0] ip address 202.117.1.1 30
```

##### 2. 设备B的配置

- 2.1 进入控制口，在对应的通道下创建串口

```
<RouterB>system-view
[RouterB] controller Cpos 3/1/9
[RouterB-Cpos3/1/9] e1 1 channel-set 0 timeslot-list 1-31
```

- 2.2 配置串口的链路层封装协议和IP地址

```
[RouterB] interface Serial 3/1/9/1:0
[RouterB-Serial3/1/9/1:0] link-protocol ppp
[RouterB-Serial3/1/9/1:0] ip address 202.117.1.2 30
```

##### 3. 验证结果

```
[Router A] ping 202.117.1.2
PING 202.117.1.2: 56 data bytes, press CTRL_C to break
Reply from 202.117.1.2: bytes=56 Sequence=1 ttl=255 time=5 ms
Reply from 202.117.1.2: bytes=56 Sequence=2 ttl=255 time=4 ms
Reply from 202.117.1.2: bytes=56 Sequence=3 ttl=255 time=130 ms
ms
Reply from 202.117.1.2: bytes=56 Sequence=4 ttl=255 time=4 ms
Reply from 202.117.1.2: bytes=56 Sequence=5 ttl=255 time=4 ms
```

```
--- 202.117.1.2 ping statistics ---
5 packet(s) transmitted
5 packet(s) received
0.00% packet loss
round-trip min/avg/max = 4/29/130 ms
```

#### 四、配置关键点:

略。