1.Set the CIR to 5 Mbit/s for outgoing traffic with source UDP port number in the range from 7501 to 7600 on GE0/0/0 of R1, and configure this QoS policy to take effect during 08:00 to 18:00 on Monday.

2. Configure GE0/0/0 of R2 to mark 802.1p values for outgoing traffic. Configure GE0/0/1 of R3 to retain 802.1p values in incoming traffic sent from R3, and configure the mapping from 802.1p values  
to DSCP values.

Table 1

|  |  |  |  |
| --- | --- | --- | --- |
| Service Address Prefix | Service Type | 802.1p | DSCP |
| 172.16.1.0/24 | Real-time service | 101 | EF |
| 172.16.2.0/24 | Signaling | 100 | CS4 |
| 172.16.3.0/24 | Monitoring | 011 | CS3 |
| 192.168.4.0/24 | Office | 001 | CS1 |
| Others | Best effort (BE) | 000 | BE |

3. Configure congestion management for packets matching DSCP values on GE0/0/2 of R3 according to Table 2

Table 2

|  |  |  |
| --- | --- | --- |
| Queue scheduling | | |
| DSCP | Scheduling Policy | Weight Value |
| EF | PQ |  |
| CS4 | WFQ | 60 |
| CS3 | WFQ | 20 |
| CS1 | WFQ | 7 |
| BE | WFQ | 3 |

4. Configure Congestion Avoidance for packets matching DSCP values on GE0/0/2 of R3 according to Table 3.

Table 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Congestion Avoidance | | | | |
| DSCP | Congestion Avoidance Mechanism | Lower Threshold | Upper Threshold | Packet Loss Probability |
| EF | No packet loss |  |  |  |
| CS4 | WRED | 60 | 100 | 50 |
| CS3 | WRED | 50 | 80 | 50 |
| CS1 | WRED | 45 | 70 | 60 |
| BE | WRED | 30 | 60 | 60 |