

IPv4 ADDRESSING SCHEME – MODULES 6 to 9

Figure 1 below displays the addressing plan to be used for Modules 6 through 9. The plan itself is explained in the notes accompanying the workshop Modules. Each subnet is a /30.

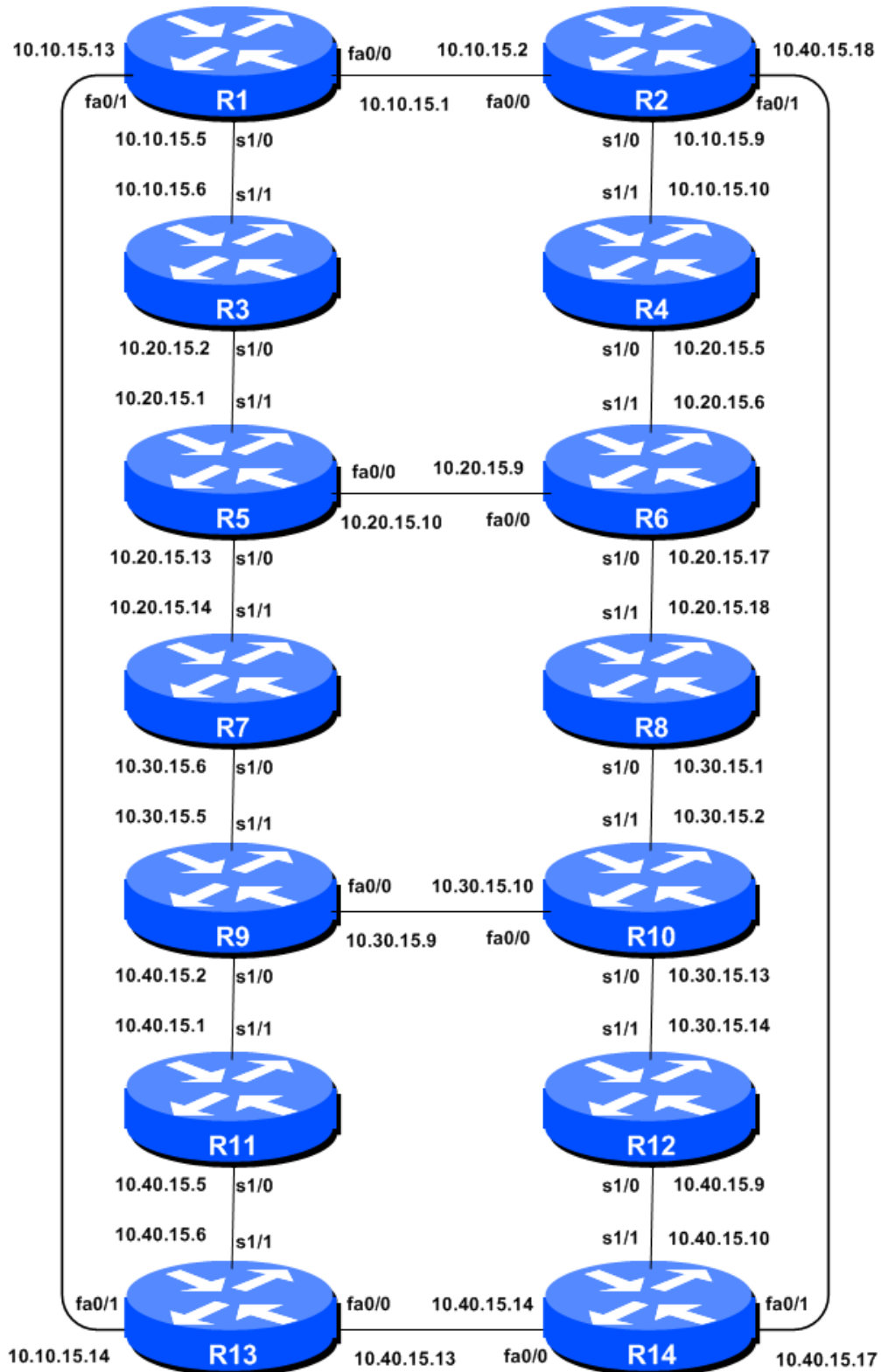


Figure 1 - Addressing Scheme for Modules 6 to 9

IPv4 Addresses – Modules 6 to 9

| ASN | Address Block |
|-----|---------------|
| 10 | 10.10.0.0/20 |
| 20 | 10.20.0.0/20 |

| ASN | Address Block |
|-----|---------------|
| 30 | 10.30.0.0/20 |
| 40 | 10.40.0.0/20 |

Table 1 – IPv4 Address Blocks assigned to each ASN, Modules 6 to 9

| Router | Loopback Address |
|--------|------------------|
| R1 | 10.10.15.224 |
| R2 | 10.10.15.225 |
| R3 | 10.10.15.226 |
| R4 | 10.20.15.224 |
| R5 | 10.20.15.225 |
| R6 | 10.20.15.226 |
| R7 | 10.20.15.227 |

| Router | Loopback Address |
|--------|------------------|
| R8 | 10.30.15.224 |
| R9 | 10.30.15.225 |
| R10 | 10.30.15.226 |
| R11 | 10.40.15.224 |
| R12 | 10.40.15.225 |
| R13 | 10.40.15.226 |
| R14 | 10.40.15.227 |

Table 2 – IPv4 Loopback Address assigned to each Router, Modules 6 to 9

| Router | “Customer” Address |
|--------|--------------------|
| R1 | 10.10.0.0/26 |
| R2 | 10.10.0.64/26 |
| R3 | 10.10.0.128/26 |
| R4 | 10.20.0.0/26 |
| R5 | 10.20.0.64/26 |
| R6 | 10.20.0.128/26 |
| R7 | 10.20.0.192/26 |

| Router | “Customer” Address |
|--------|--------------------|
| R8 | 10.30.0.0/26 |
| R9 | 10.30.0.64/26 |
| R10 | 10.30.0.128/26 |
| R11 | 10.40.0.0/26 |
| R12 | 10.40.0.64/26 |
| R13 | 10.40.0.128/26 |
| R14 | 10.40.0.192/26 |

Table 3 – IPv4 “Customer” Address blocks assigned to each Router, Modules 6 to 9