# IPv6 ADDRESSING SCHEME – MODULES 1 to 5

While students are encouraged to generate their own IPv6 addressing scheme for the IPv6 workshop network, use the example in Figure 1 below as an aid.
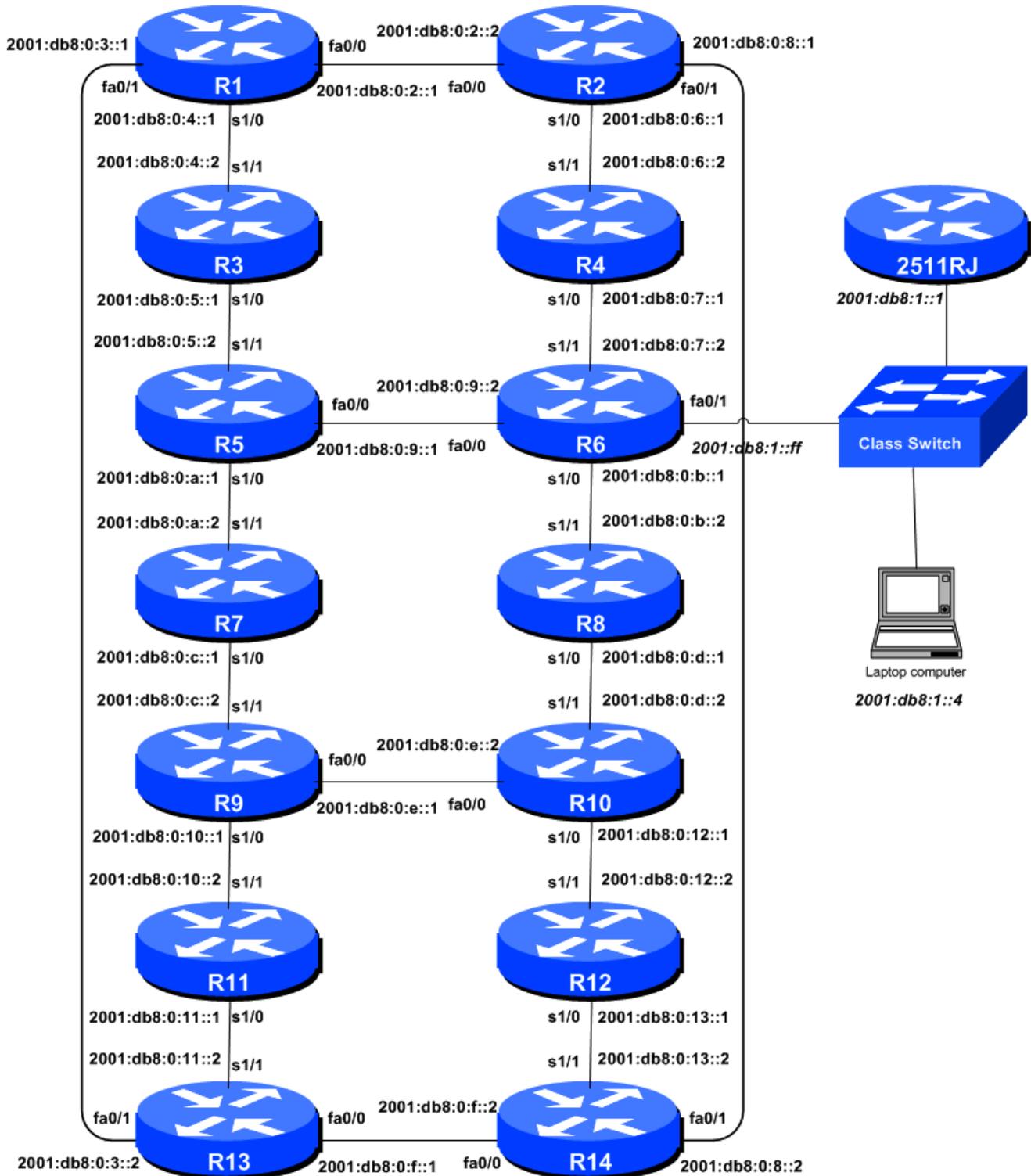
**Figure 1 – Addressing scheme for Modules 1 to 5**

# IPv6 Loopback Addresses – Modules 1 to 5

| Router | Loopback Address | Router | Loopback Address |
|--------|------------------|--------|------------------|
| R1 | 2001:db8::1/128 | R8 | 2001:db8::8/128 |
| R2 | 2001:db8::2/128 | R9 | 2001:db8::9/128 |
| R3 | 2001:db8::3/128 | R10 | 2001:db8::a/128 |
| R4 | 2001:db8::4/128 | R11 | 2001:db8::b/128 |
| R5 | 2001:db8::5/128 | R12 | 2001:db8::c/128 |
| R6 | 2001:db8::6/128 | R13 | 2001:db8::d/128 |
| R7 | 2001:db8::7/128 | R14 | 2001:db8::e/128 |

**Table 1 – IPv6 Loopback Address assigned to each Router in Modules 1 to 5**

# IPv6 "Customer" Addresses – Modules 1 to 5

| Router | "Customer" Address | Router | "Customer" Address |
|--------|--------------------|--------|--------------------|
| R1 | 2001:db8:1::/48 | R8 | 2001:db8:8::/48 |
| R2 | 2001:db8:2::/48 | R9 | 2001:db8:9::/48 |
| R3 | 2001:db8:3::/48 | R10 | 2001:db8:a::/48 |
| R4 | 2001:db8:4::/48 | R11 | 2001:db8:b::/48 |
| R5 | 2001:db8:5::/48 | R12 | 2001:db8:c::/48 |
| R6 | 2001:db8:6::/48 | R13 | 2001:db8:d::/48 |
| R7 | 2001:db8:7::/48 | R14 | 2001:db8:e::/48 |

**Table 2 – IPv6 "Customer" Addresses assigned to each Router in Modules 1 to 5**