

## IPv6 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 /127, apart from the link to the classroom switch which is a /64.

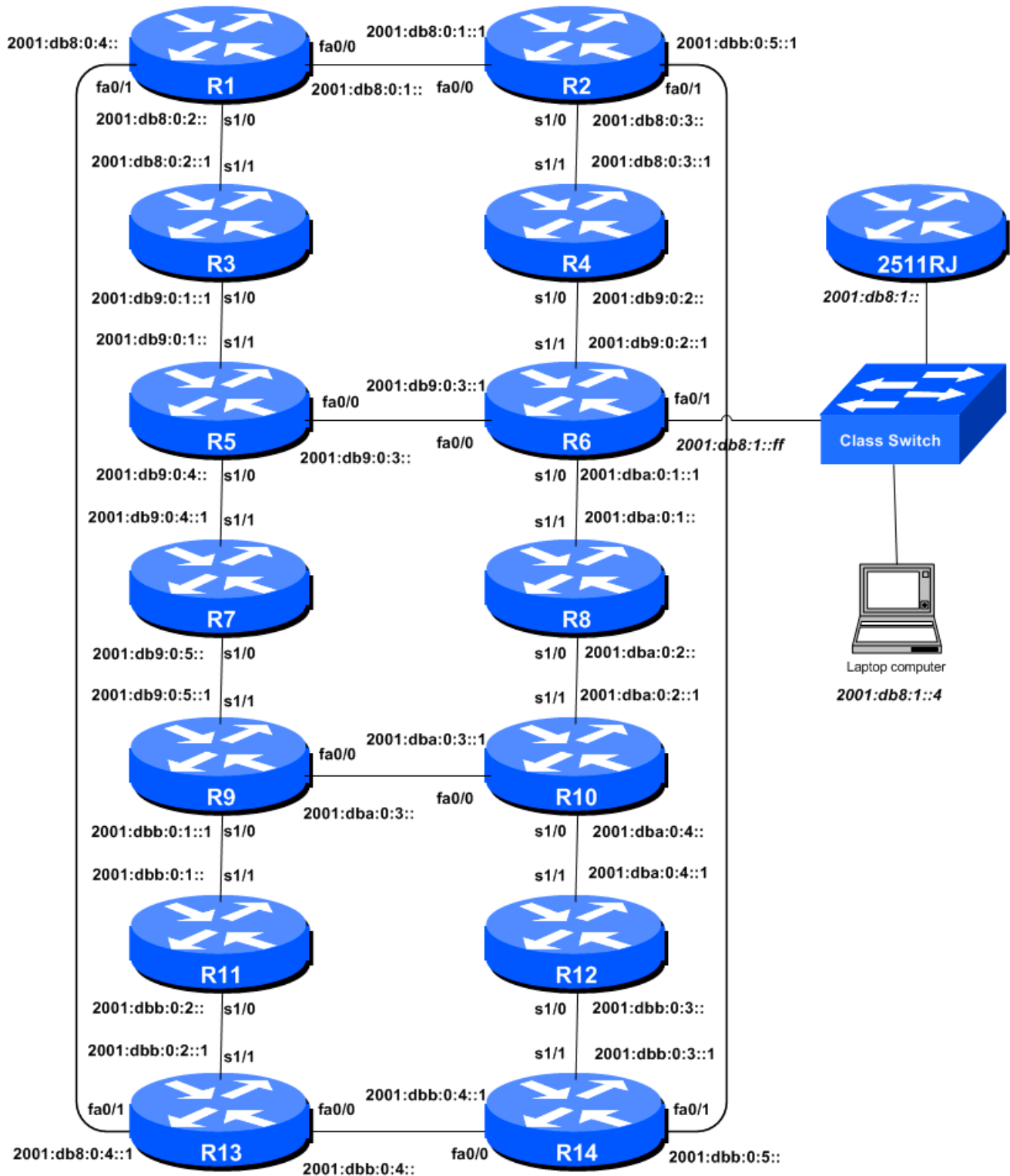


Figure 1 - Addressing scheme for Modules 6 to 9

## IPv6 Address Blocks – Modules 6 to 9

ASN	Address Block
10	2001:db8::/32
20	2001:db9::/32

ASN	Address Block
30	2001:dba::/32
40	2001:dbb::/32

**Table 1 – IPv6 Address Blocks assigned to each ASN, Modules 6 to 9**

## IPv6 Loopback Addresses – Modules 6 to 9

Router	Loopback Address
R1	2001:db8::1/128
R2	2001:db8::2/128
R3	2001:db8::3/128
R4	2001:db9::1/128
R5	2001:db9::2/128
R6	2001:db9::3/128
R7	2001:db9::4/128

Router	Loopback Address
R8	2001:dba::1/128
R9	2001:dba::2/128
R10	2001:dba::3/128
R11	2001:dbb::1/128
R12	2001:dbb::2/128
R13	2001:dbb::3/128
R14	2001:dbb::4/128

**Table 2 – IPv6 Loopback Addresses assigned to each Router, Modules 6 to 9**

## IPv6 “Customer” Addresses – Modules 6 to 9

Router	Loopback Address
R1	2001:db8:1::/48
R2	2001:db8:2::/48
R3	2001:db8:3::/48
R4	2001:db9:1::/48
R5	2001:db9:2::/48
R6	2001:db9:3::/48
R7	2001:db9:4::/48

Router	Loopback Address
R8	2001:dba:1::/48
R9	2001:dba:2::/48
R10	2001:dba:3::/48
R11	2001:dbb:1::/48
R12	2001:dbb:2::/48
R13	2001:dbb:3::/48
R14	2001:dbb:4::/48

**Table 3 – IPv6 “Customer” Addresses assigned to each Router, Modules 6 to 9**