

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.

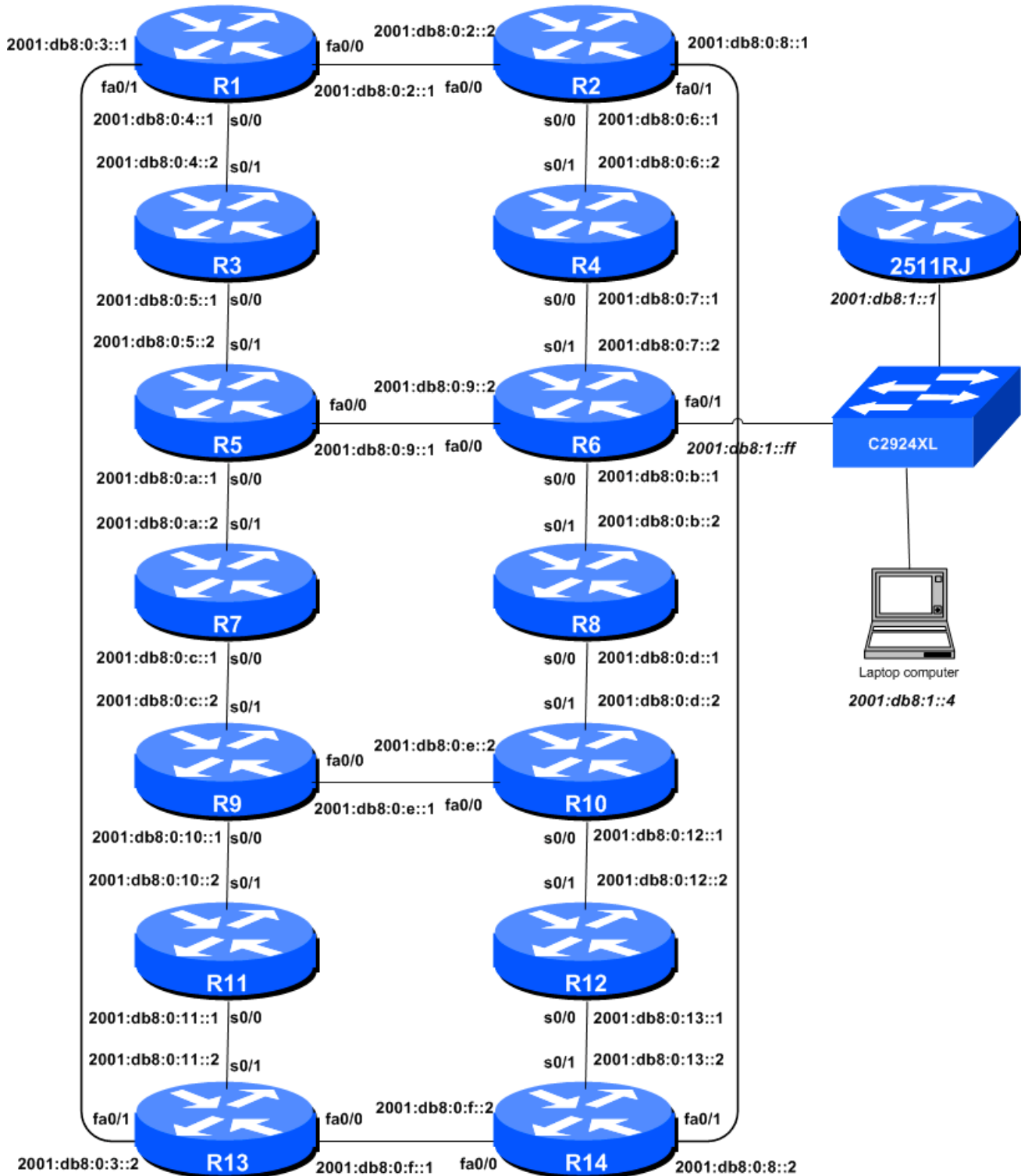


Figure 1 – Addressing scheme for Modules 1 to 5

IPv6 ADDRESSING SCHEME – MODULES 6 to 9

Figure 2 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.

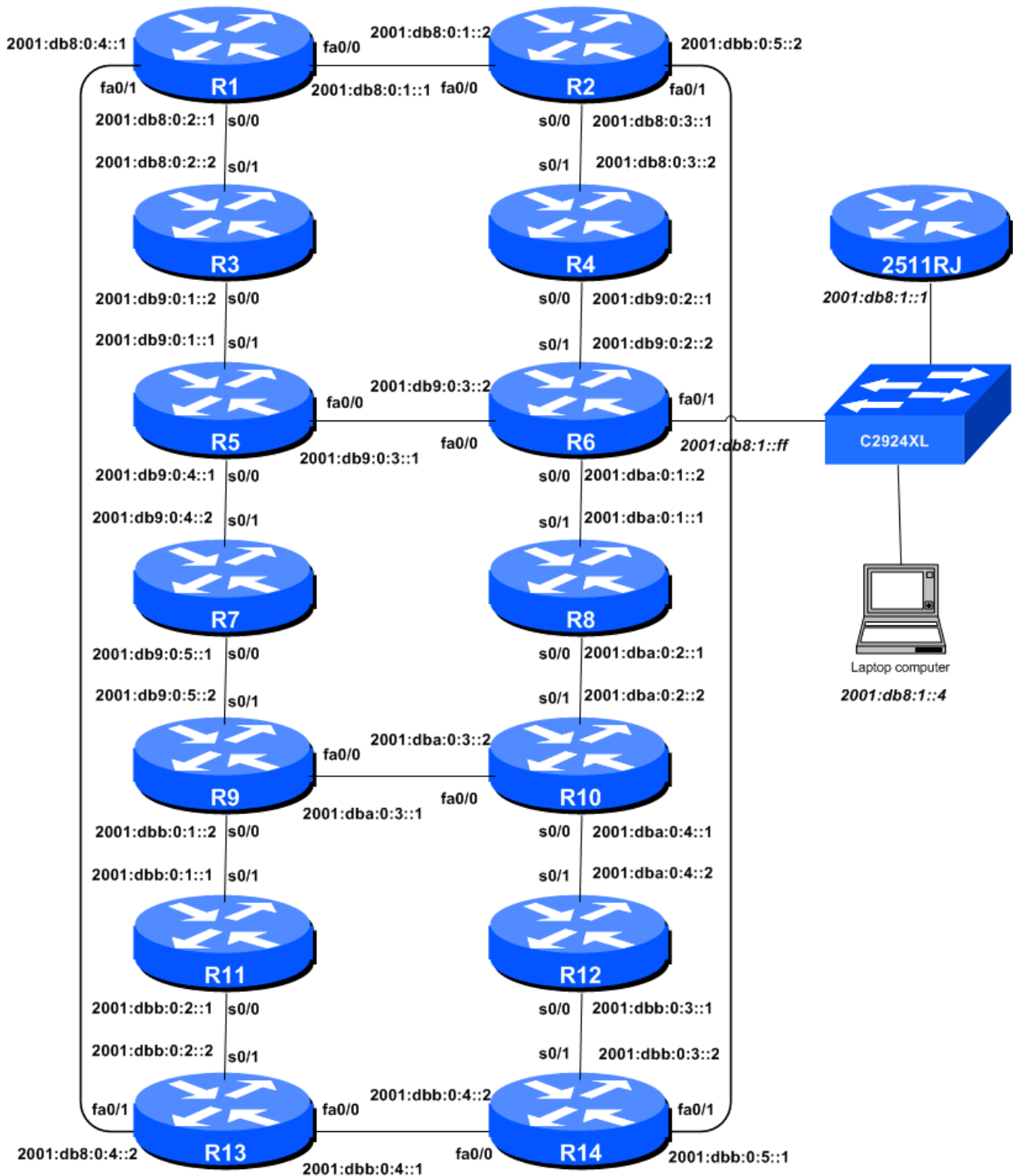


Figure 2 – Addressing scheme for Modules 6 to 9

IPv6 Address Loopbacks – Modules 1 to 5

Router	Loopback Address
R1	2001:db8::1/128
R2	2001:db8::2/128
R3	2001:db8::3/128
R4	2001:db8::4/128
R5	2001:db8::5/128
R6	2001:db8::6/128
R7	2001:db8::7/128

Router	Loopback Address
R8	2001:db8::8/128
R9	2001:db8::9/128
R10	2001:db8::a/128
R11	2001:db8::b/128
R12	2001:db8::c/128
R13	2001:db8::d/128
R14	2001:db8::e/128

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

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

Chart 2 – IPv6 Address Blocks assigned to each ASN, Modules 6 to 9

IPv6 Address Loopbacks – 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

Chart 3 – IPv6 Loopback Addresses assigned to each Router, Modules 6 to 9