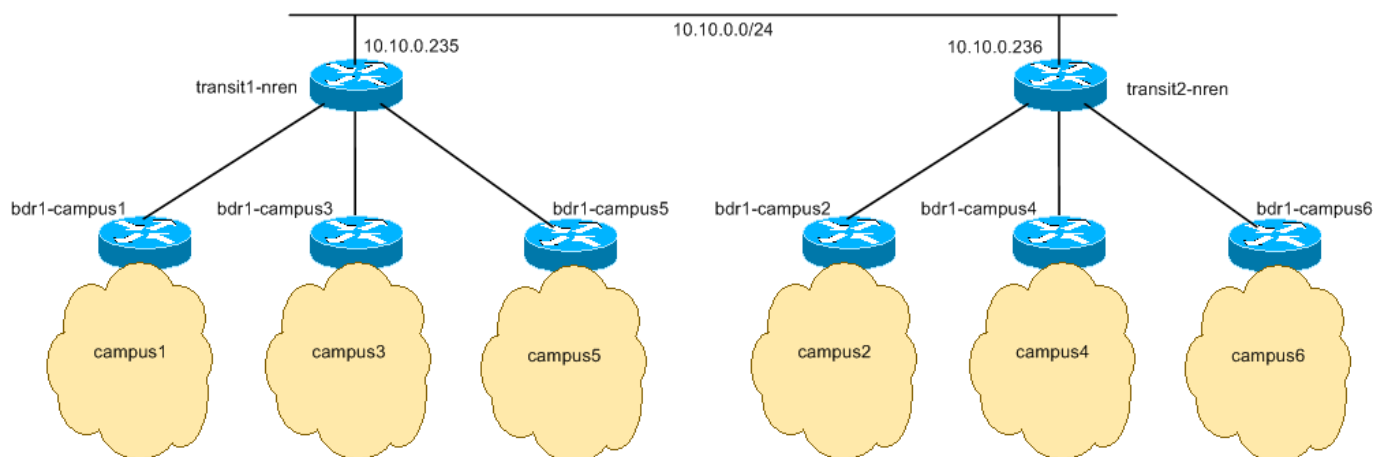


IP Address Plan

The following diagram shows the layout of our network for the workshop. The two routers at the top are the **NREN** and these are connected to the workshop subnet.



For the lab exercises, each group has been allocated the following address space for their campus:

Campus	Public IPv4	Private IPv4	IPv6 Campus	AS Number
1	100.68.1.0/24	172.21.0.0/16	2001:db8:1::/48	10
2	100.68.2.0/24	172.22.0.0/16	2001:db8:2::/48	20
3	100.68.3.0/24	172.23.0.0/16	2001:db8:3::/48	30
4	100.68.4.0/24	172.24.0.0/16	2001:db8:4::/48	40
5	100.68.5.0/24	172.25.0.0/16	2001:db8:5::/48	50
6	100.68.6.0/24	172.26.0.0/16	2001:db8:6::/48	60

You will be given details the addresses to use for routers and switches as we work through the exercises but they will be allocated from these blocks:

Network	IPv4	IPv6
Router core	100.68.X.0/28	2001:db8:X:0::/64
NAT Pool	100.68.X.32/28	N/A
Servers	100.68.X.128/28	2001:db8:X:1::/64
Loopbacks	100.68.X.240/28	2001:db8:X:2::/64
Building 1 Management	172.2X.10.0/24	2001:db8:X:10::/64
Building 1 Staff	172.2X.11.0/24	2001:db8:X:11::/64
Building 1 Student	172.2X.12.0/24	2001:db8:X:12::/64
Building 2 Management	172.2X.20.0/24	2001:db8:X:20::/64
Building 2 Staff	172.2X.21.0/24	2001:db8:X:21::/64
Building 2 Student	172.2X.22.0/24	2001:db8:X:22::/64

You will need to replace '**X**' with the number of your campus group!

The following IPv4 address ranges have been assigned by the NREN for the links to the Border routers:

Campus	NREN Link Subnet	NREN Router Address	Campus Border Router Address
1	100.68.0.0/30	100.68.0.1	100.68.0.2
2	100.68.0.4/30	100.68.0.5	100.68.0.6
3	100.68.0.8/30	100.68.0.9	100.68.0.10
4	100.68.0.12/30	100.68.0.13	100.68.0.14
5	100.68.0.16/30	100.68.0.17	100.68.0.18
6	100.68.0.20/30	100.68.0.21	100.68.0.22

The following IPv6 address ranges have been assigned by the NREN for the links to the Border routers:

Campus	NREN Link Subnet	NREN Router Address	Campus Border Router Address
1	2001:db8:0:1::/127	2001:db8:0:1::0	2001:db8:0:1::1
2	2001:db8:0:2::/127	2001:db8:0:2::0	2001:db8:0:2::1
3	2001:db8:0:3::/127	2001:db8:0:3::0	2001:db8:0:3::1
4	2001:db8:0:4::/127	2001:db8:0:4::0	2001:db8:0:4::1
5	2001:db8:0:5::/127	2001:db8:0:5::0	2001:db8:0:5::1
6	2001:db8:0:6::/127	2001:db8:0:6::0	2001:db8:0:6::1

The NREN is running inside AS 65534.

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