

Lab Exercises Report

Assignment 1

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1 The Network Diagram

How many bits should I use to divide IP address in Internal Network.

$$2^{14} = 16384 > 15000$$

$$2^8 = 256 > 200$$

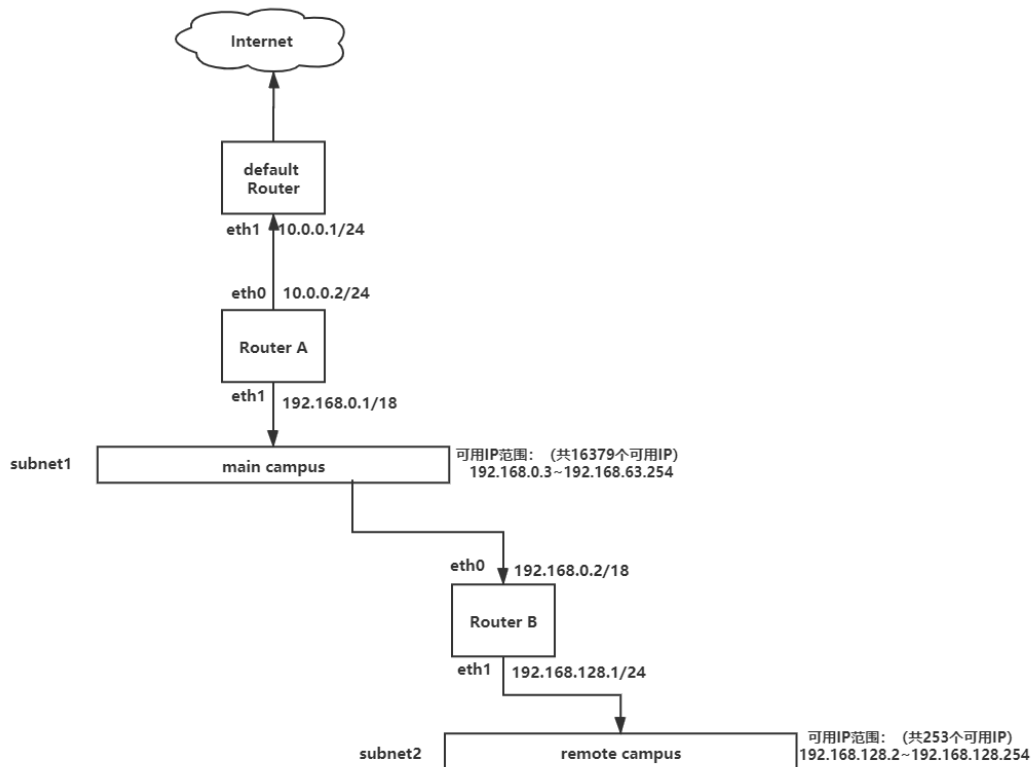
Mask for the two Internal Networks:

Subnet1:

Mask: 255.255.192.0

Subnet2:

Mask: 255.255.255.0



Destination	Gateway	Genmask	Flags	Iface
Default (0.0.0.0)	10.0.0.1	0.0.0.0	UG	eth0
192.168.128.0	192.168.0.2	255.255.255.0	UG	eth1
192.168.0.0	0.0.0.0	255.255.192.0	U	eth1
10.0.0.0	0.0.0.0	255.255.255.0	U	eth0