

Campus Networking Workshop

Public IP Address Availability

This document is a result of work by the Network Startup Resource Center (NSRC at <http://www.nsrc.org>). This document may be freely copied, modified, and otherwise re-used on the condition that any re-use acknowledge the NSRC as the original source.



UNIVERSITY OF OREGON



IPv4

- Many of you have very limited IPv4 address space
- Forces you to use NAT – probably in places where you shouldn't
- Where do you get address space from?
 - Your ISP?
 - Your REN?
 - APNIC?



APNIC

- The minimum annual fee for Members holding IP address space is AUD \$1,180.
- Organizations located in Least Developed Countries (LDCs) receive a 50% discount on their APNIC Member fees.
- <http://www.apnic.net/services/become-a-member/how-much-does-it-cost>



APNIC

- IPv4 space is nearly all gone but you can get some!
- How much address space can I get?
 - Every APNIC member can get a further /22 block of IPv4 addresses – 1024 addresses
- Members can also get AS numbers and IPv6 addresses
- How many of you are members?



IPv6

- If you get a /22 from APNIC you can also get a /32 of IPv6 very easily and at no extra cost
- A /32 will allow you to give nearly 17 million users a /48 each (65336 x /64 subnets each)

