A brief Description of the University Network

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Firewall

I can check the top users from the firewall in terms of:

- The IP address
- The website
- Protocol
Firewall continued

Helps in content filtering.

- Acts as my default gateway
- Blocking websites that are consuming bandwidth, p2p traffic, video and audio streaming

Security-sends regular updates on who is messing the network

Public switch

• This contains equipment with public IP addresses, mail, proxy server
• I have done NAT with my private IP Addresses.
• The wireless network is also connected in this switch. Outside my LAN, ubiquiti equipment nanstation2
Proxy server

• Runs fedora 8.0
• squid
• Caching keep local copies of frequently requested resources
• Content filtering
• Ntop installed
• To keep machines behind it anonymous
MDF/MDU

• Where all the university fibre network is terminated
• Has got our core switch
• 25 fibre terminations(with media converters) from different buildings, engineering, computer science, administration, library.
• Mixture of both single mode and multimode fibre cables
MDF

Staff Members

Child proxy server

Students Lab switch

Departmental switch

CAT5 or 6 UTP

Fibre

Students Lab

Staff Members
Thank you