

Network security at Universities

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Personal Anonymity

Some people/places don't like to share their security experiences.....

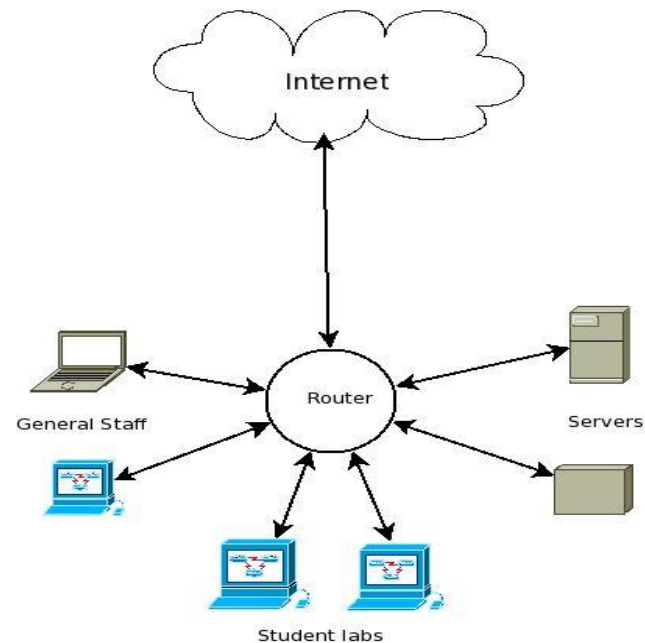
Feel free to use any of the devices in the back of the room to help protect your identity.

A little about my mindset

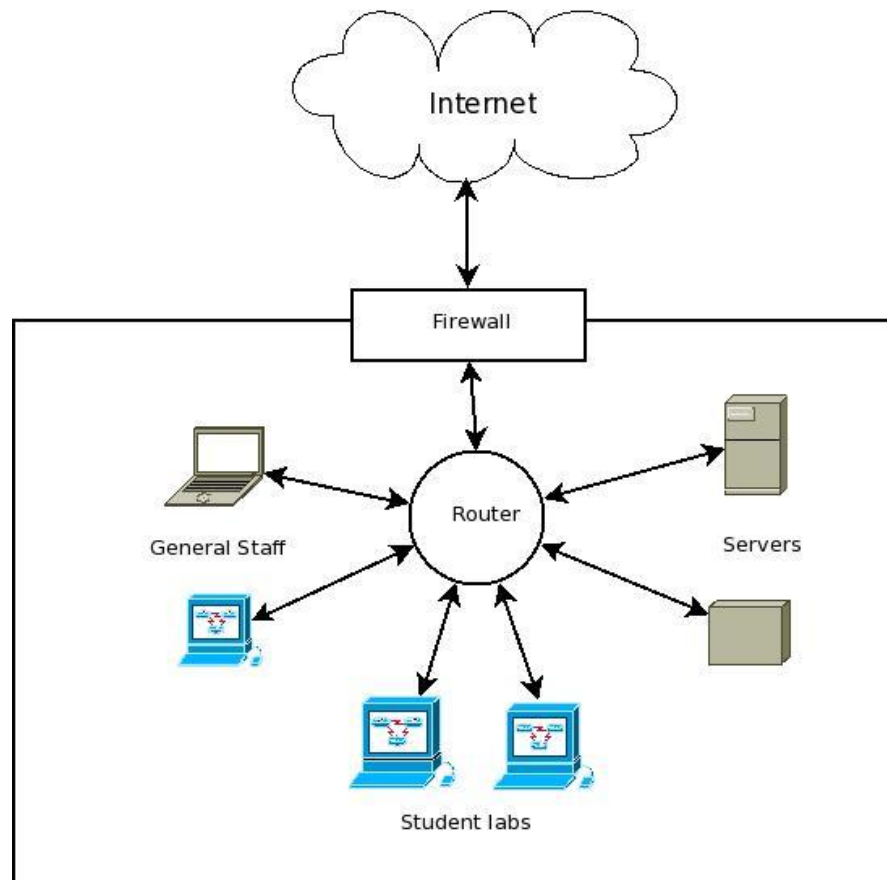
- Large multi nationals
- Years in various manufacturing industry
- Worked at a university for 4 years.

Lighting fast history of Network security P1

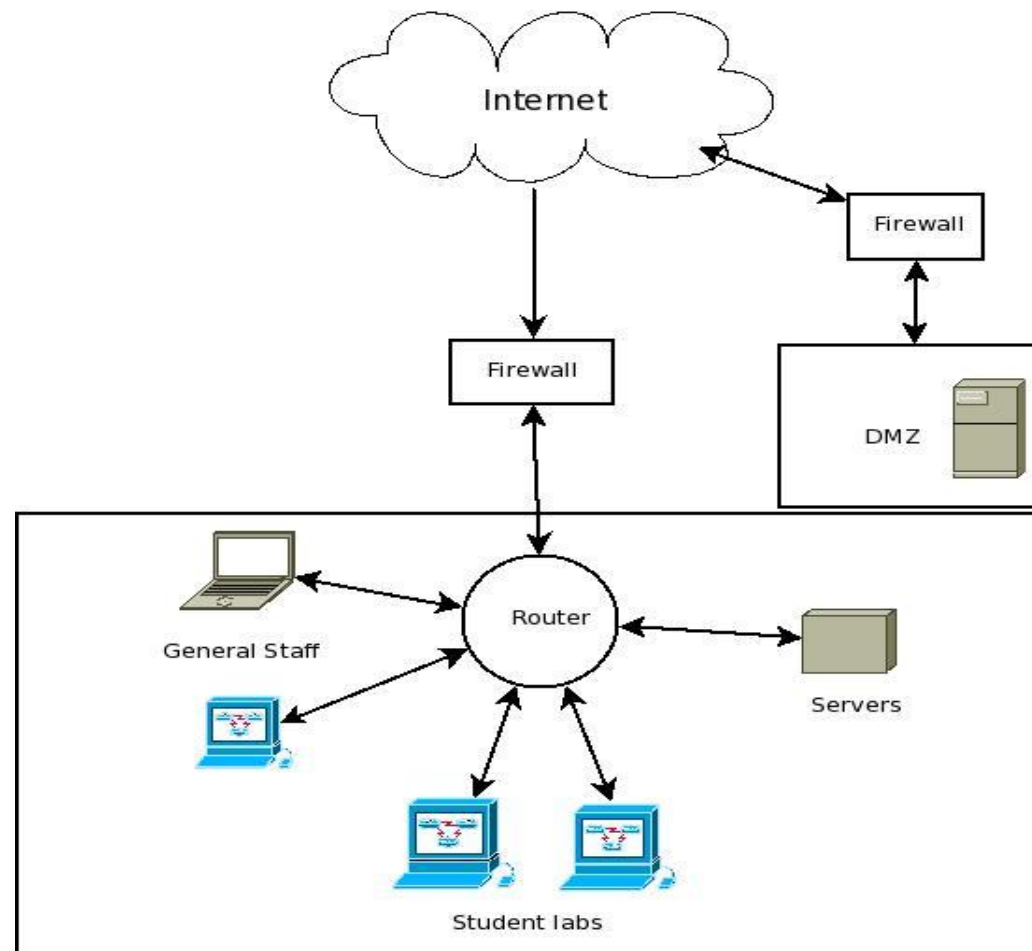
Note this is based on my experience in industry, your experience will vary.



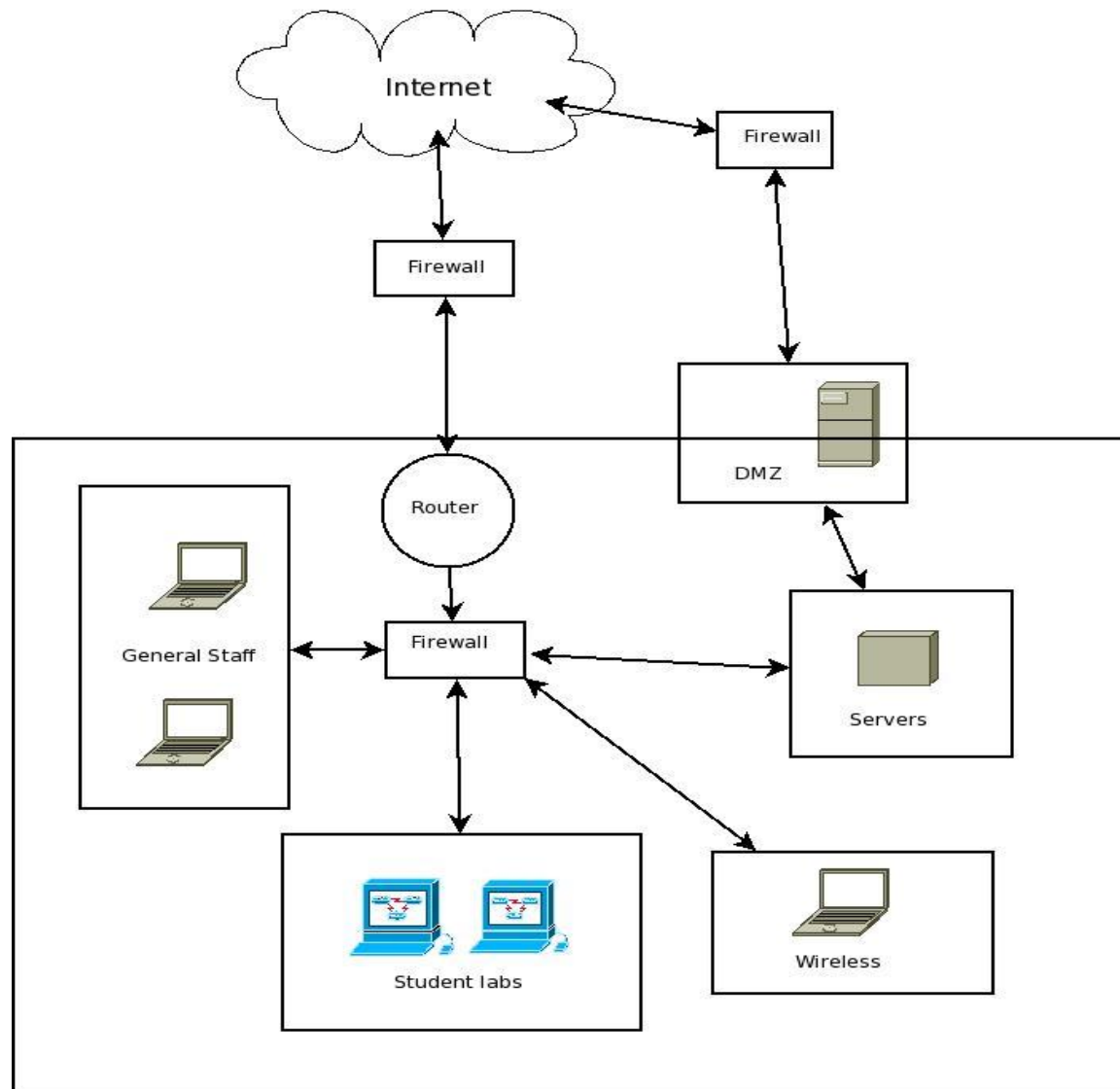
Lighting fast history of Network security P2



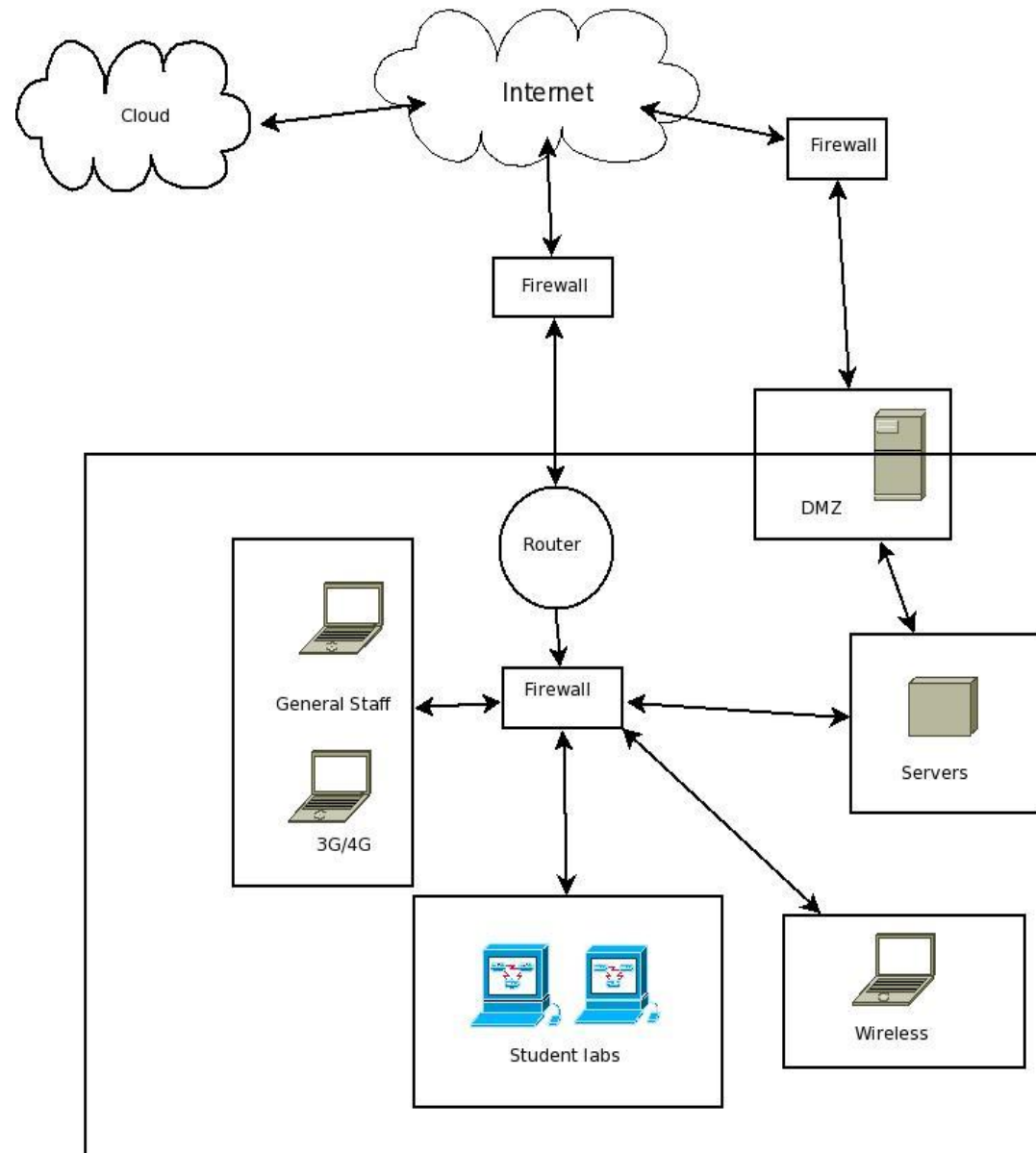
Lighting fast history of Network security P3



Lighting fast history of Network security P4



Lighting fast history of Network security P5



Do Universities have network security issue?

- MIT thought they did as of April 2013
- I was able to find thousands of open university based IP addresses within minutes thanks to the internet census 2012
- External auditor sector report
- None of us have ever a network security incident right?

Griffith University

- This was a problem
- Project started to resolve this
- Still not where we need to be, but overall we have improved
- More improvements to come

Problems/Attitudes

“The academics won't accept that”

Talk to them, it was not a problem

“We are a University we are used to being free do do what we want”

Really? Have you ever read your code of conduct policies etc?

“It is to hard”

Some of the easiest work I've done in years.

“But I can't sue X?”

Use a VPN like the policy says you should.

“Our tech doesn't do X, and 1001010101”

Work with what you have, beg for more later.

“Universities have special needs, this won't work”

In most cases, BS. Where it isn't think creatively, stop making security a barrier.

BOF questions

Do other Universities have these attitudes, if so WHY? Are any them really valid?

Can we leave the network more or less open and use security in depth technologies?

Is it too late for traditional models? (IE everything has been stolen) Should we make a new model?

What are we all doing with cloud? Is it turning into another disaster?