

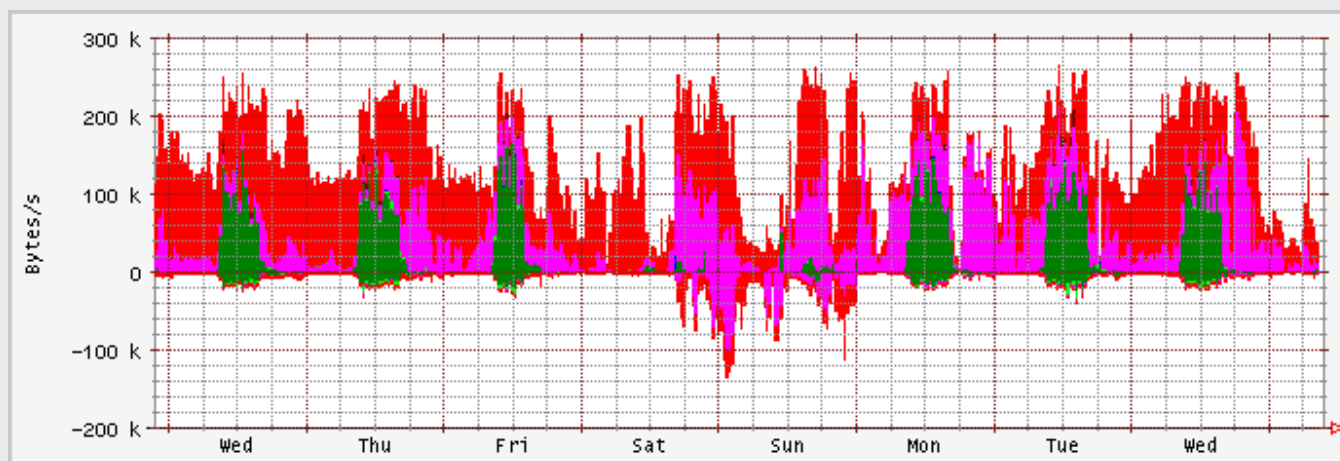
P2P and Student residences

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First encounters with P2P

- First encountered while remotely supporting small institutions.
- Poor performance, often saturation of their connection.
- Culprits were initially hard to pin down.
- Developed some tools to help us identify them.



University of London Intercollegiate Halls

- Eight halls, six in Bloomsbury, two in the Edgware road area.
- Approximately 2,500 residents, many postgraduate.
- Initially Internet connectivity offered on an annual subscription basis.
- P2P and other abuse/virus problems had made the service unsatisfactory.
- Very limited budget.

Using Open Source to manage P2P etc. cheaply

- Detection of P2P and all manner of other problematic behaviour with 'Snort', an open source intrusion detection system.
- Gave students warnings or advice depending on what was found, using a WWW redirect.
- Massively reduced our problems to turn around a previously failing service.
- Required a fair degree of effort and information gathering to set up.

Improvements to the service

- Changed to being provided for all residents.
- Employed a full time member of staff.
- Bought a firewall with many more features.
- Kept the old Snort system as some problems can be dealt with more appropriately by it.
- It's also used to help support staff when residents call in with problems.

Evolving problems – it's not just P2P

- P2P over a VPN.
- Premium commercial NNTP services.
- One-click hosting.
- YouTube etc.
- P2P isn't necessarily undesirable.