NetVis Network Security Visualisation Tool



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Project Goals

Implement an application to assist an **observer** in the detection of potential network attacks.

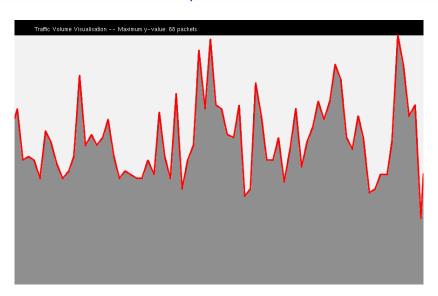
Improve situational awareness of a network faster than automated analytical techniques (i.e. using an IDS).

Design Choices

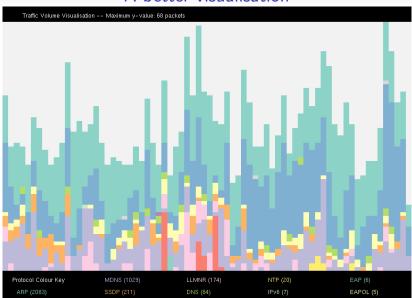
The decisions we made in the early stages of the project;

- Java / Swing / OpenGL graphics API
- Network "map" for familiarity
- Overview o zoom and filter o details on demand [Shneiderman, 1996]
- Variety of visual styles

An unhelpful visualisation



A better visualisation



DHCPv6 (184)

Teamwork

Tools used to encourage SynergyTM between team members

- Version control, code hosting: GitHub
- Distribution of tasks: Google Drive, GitHub
- Meeting planning: Facebook, Doodle
- Shouting at people: Facebook, GitHub