Network Situational Displays from Network Flow Data

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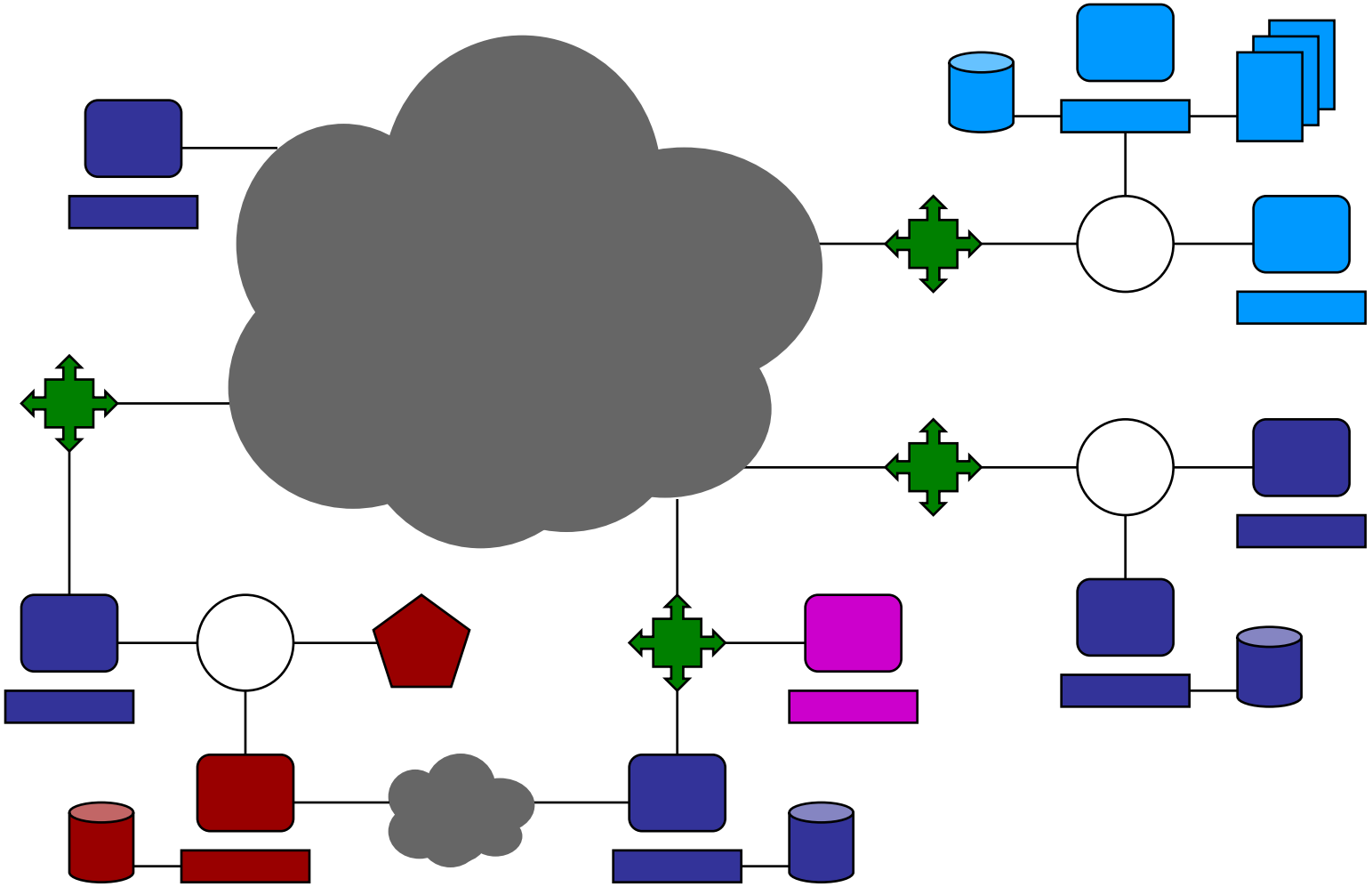
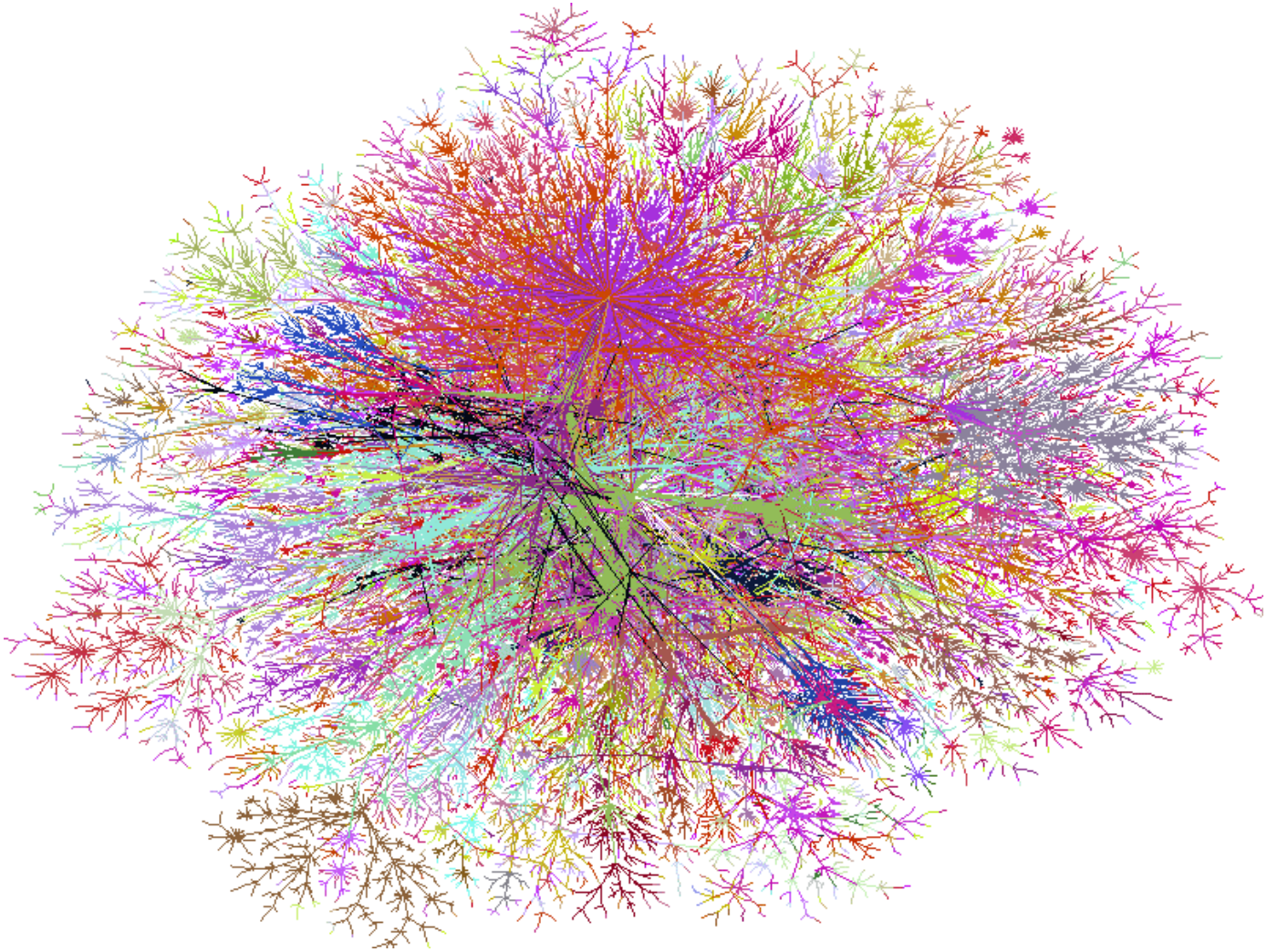
Physical-Centric



ISP-centric



Source: http://www.cheswick.com/ches/map/gallery/index.html

Difficulties

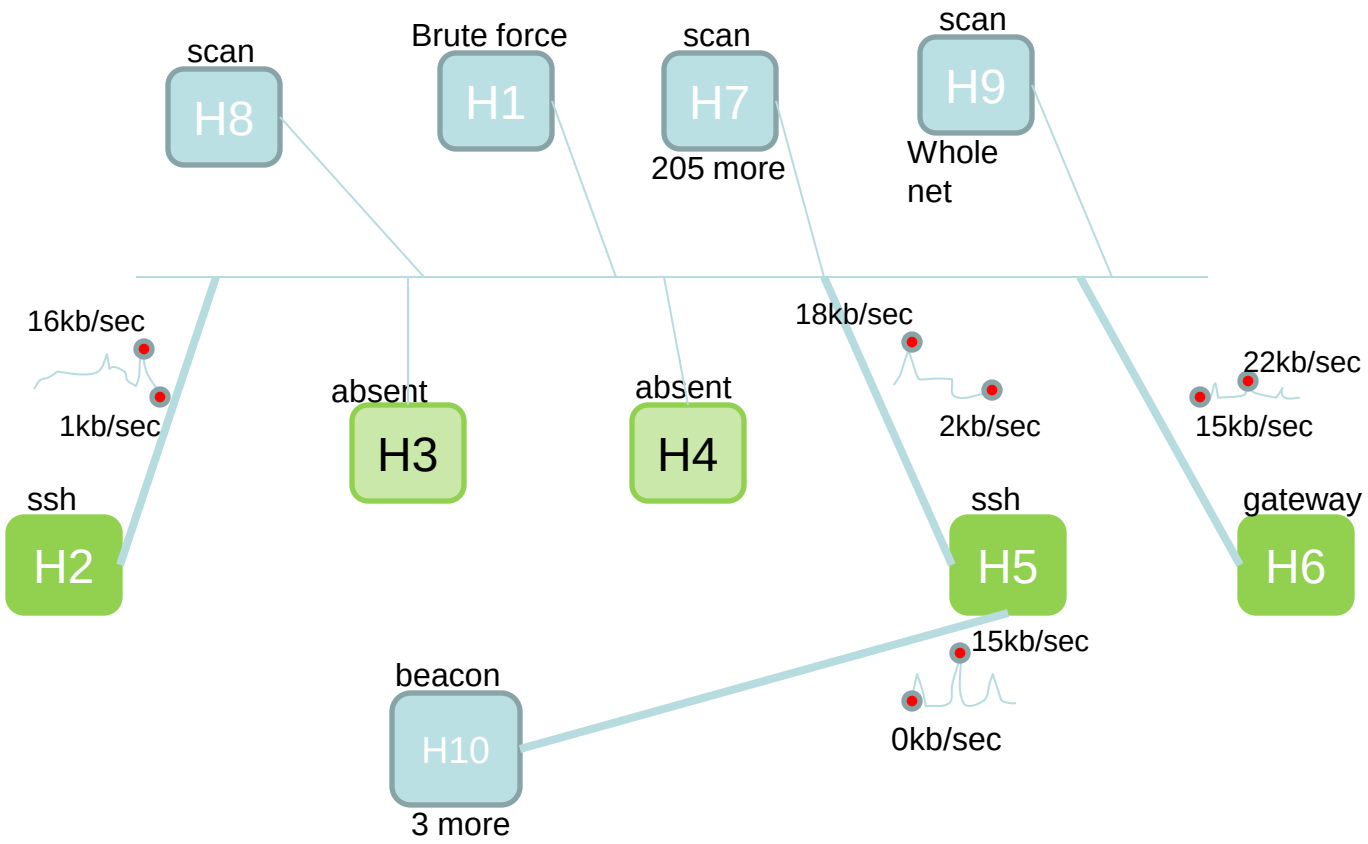
Generation from flow

Pertinence to current threat model

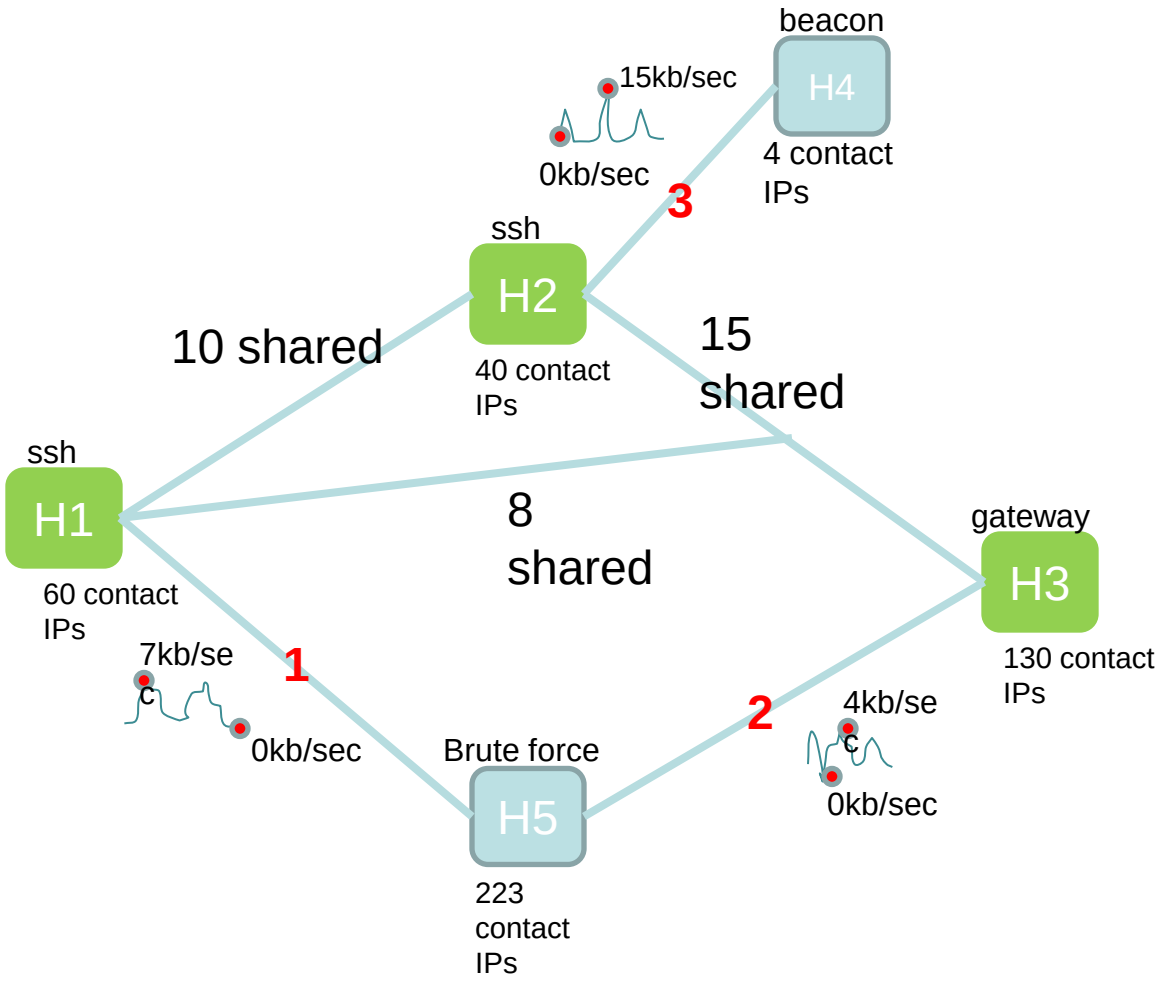
Ability to represent activity

Clarity to decision-makers

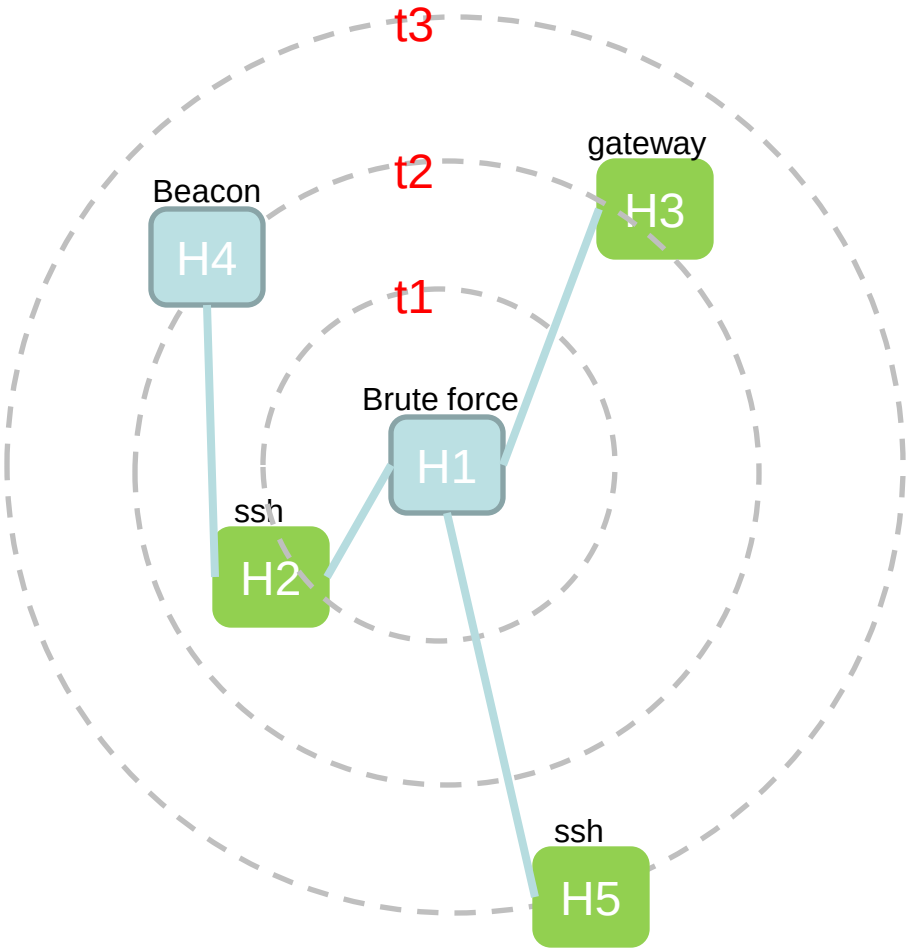
Connection-centric



Address-Centric



Time-Centric



Situation

Timeframe

Volume

Hosts

Services

Contacts

Display

Position

Color

Labeling

Juxtaposition

Clutter elimination

Goals

Questions

Flow-based generation

Multivariate

Awareness

Decisions

Summary

Supergraphics

Flexibility

Self-interpreting

Questions?