Visual TE

Making Traffic engineering simple with visualization

Software development environment

Could be Java

Could be any web frontend (Node.js…) if you’re familiar with such framework

Requirement: We need to have a GUI (window to represent graph)

Requirement v0.1 (2 people)

- Input:
  - Must be able to read a topology file with link weights (weighted graph)
  - Must be able to read a traffic matrix
- Compute:
  - Must compute link loads based on topology and TM
- Output:
  - Display the topology (graph)
  - Display colors on links (red, orange, green depending on link loads)
  - Display statistics on link loads for global network (average, distribution)

Optional:

Can change link weights on line and see result

Requirement v0.2 (4 people)

- Add possibility to compute optimal link weight
  - Local Search heuristic (I'll send the paper on Webex)
- See the result (colors, stats)