

Goal

Scalable interactive visual exploration of the spatiotemporal structure of data-access and data-sharing.

- Multi-scale : dealing with power laws
- Interactive selection of the representation
- Multi-attribute: can handle selection from VOs, failures, volume,... (not implemented yet)
- Next steps: integrate time, issues are smoothness and continuity

GO contributions

Data acquisition

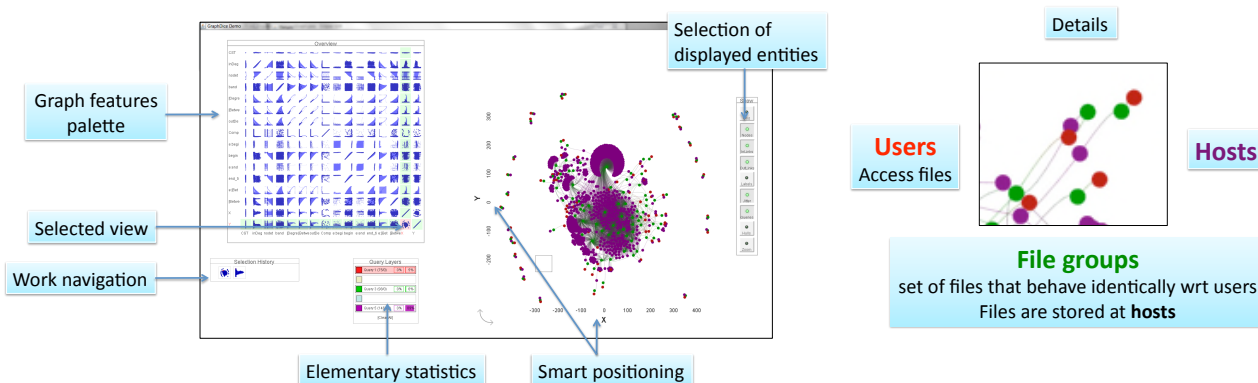
- Gridftp logs @LAL
- 1M files accesses
- 100K unique files
- date1-date2

Identification and adaptation of the AVIZ GraphDice framework

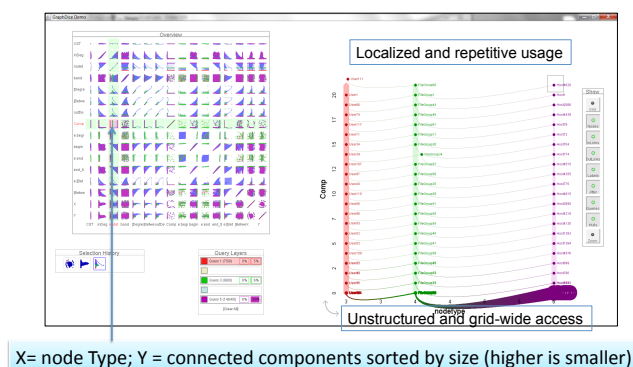
Data preparation

- SQL database
- user (anonymized), request and file host identifiers
- direction of the request (get or put),
- file name, transfer size, outcome (success or failure) timestamps.

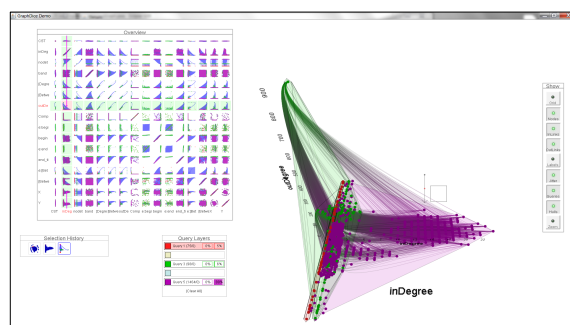
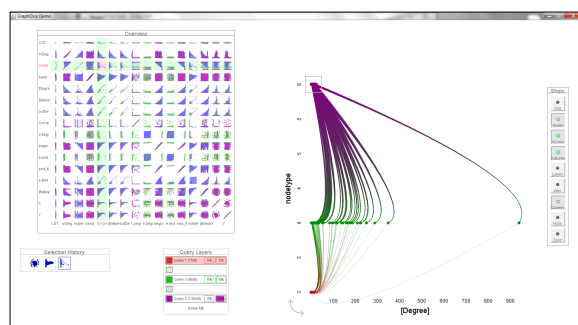
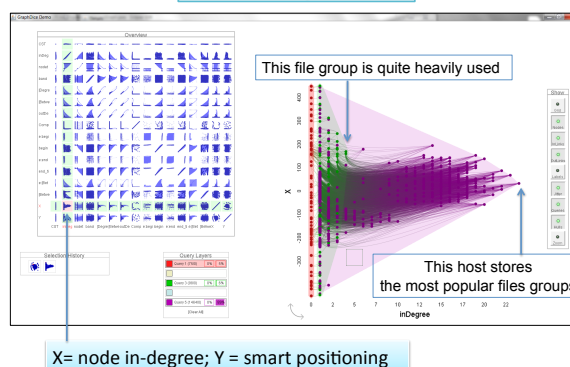
A. Bezerianos, F. Chevalier, P. Dragicevic, N. Elmqvist, and J.D. Fekete. GraphDice: A System for Exploring Multivariate Social Networks, to appear in EUROGRAPHICS 2010



Clusters of usage



Hot Spots



Demo at the France Grilles booth Monday 5-7 pm, Tuesday 4-6 pm and on request!