

Visualizing Graphs in GT

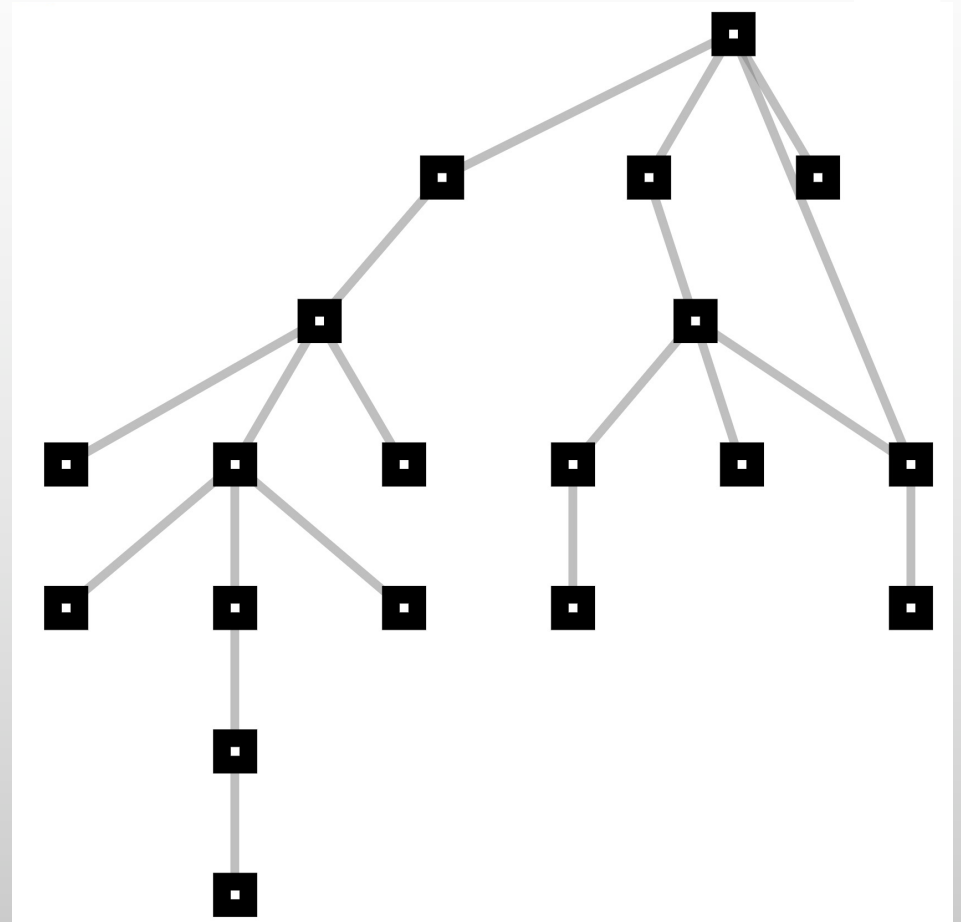
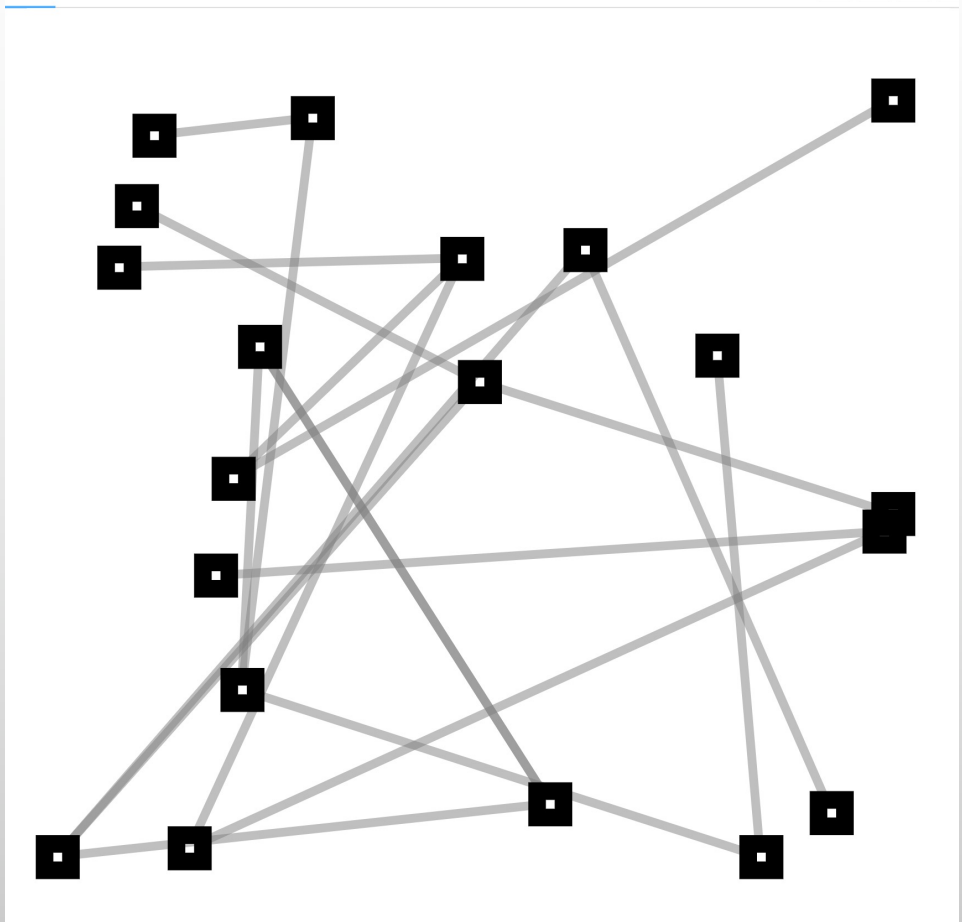
Rafael Burkhalter

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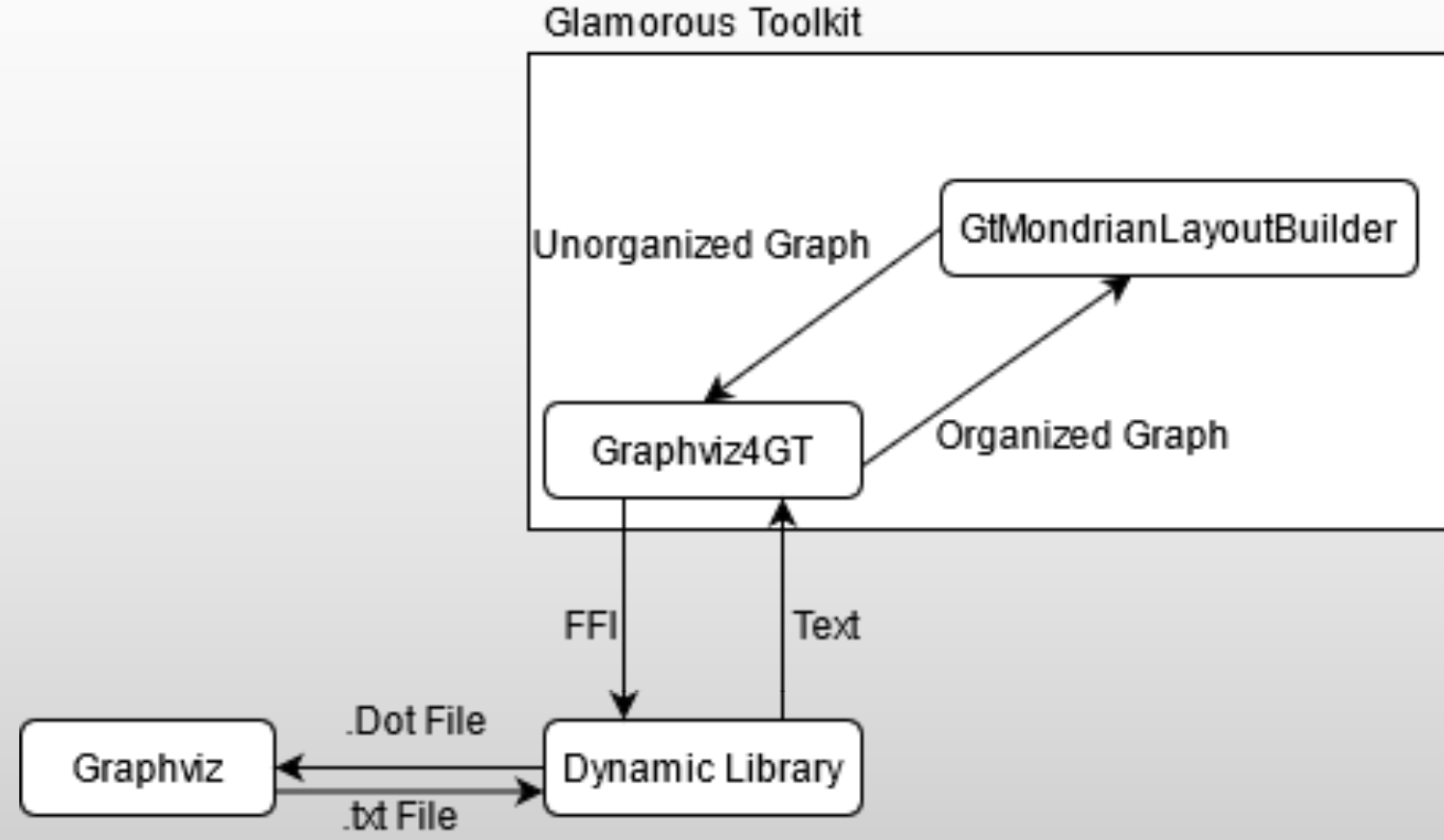
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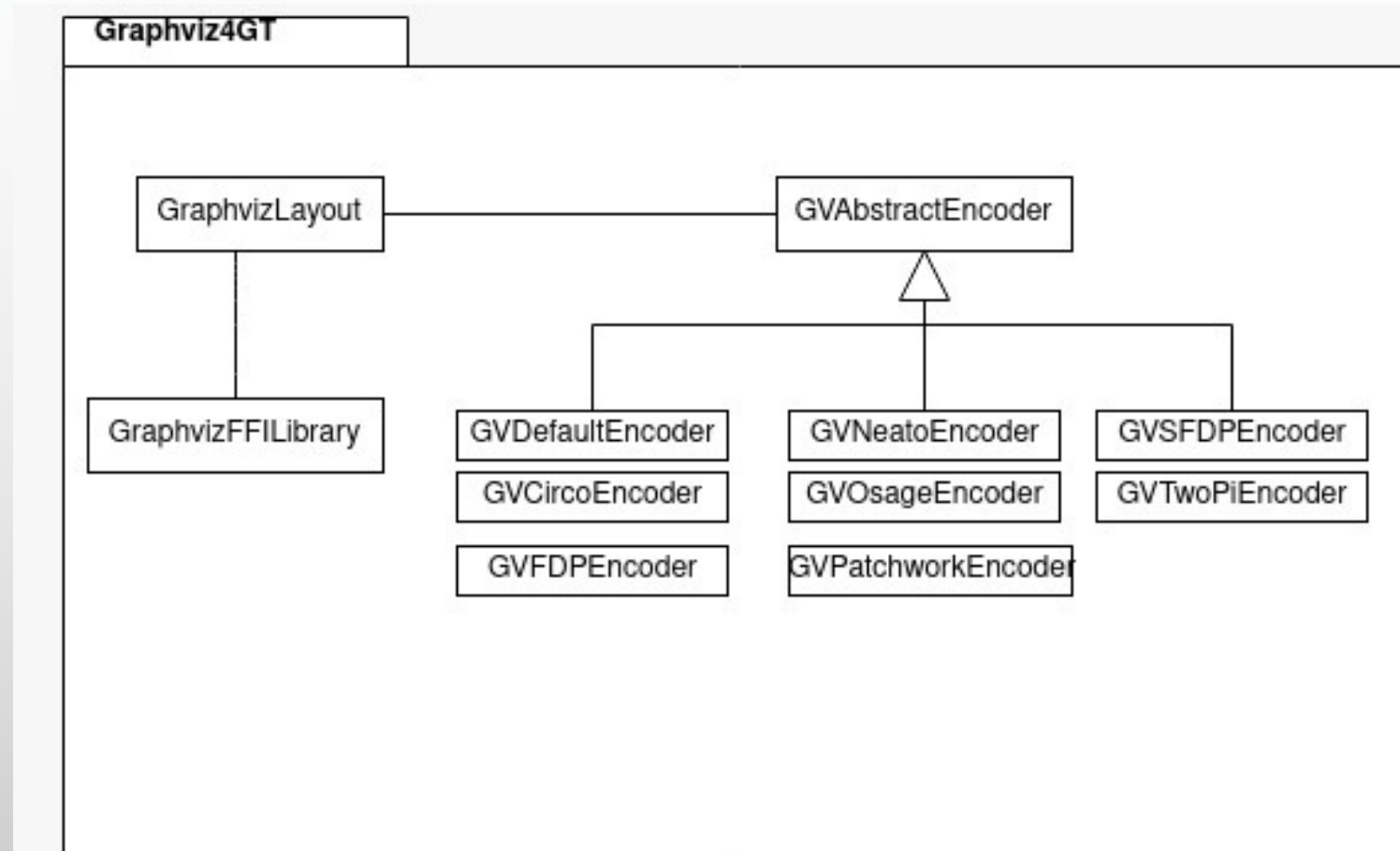
Goal



Approach

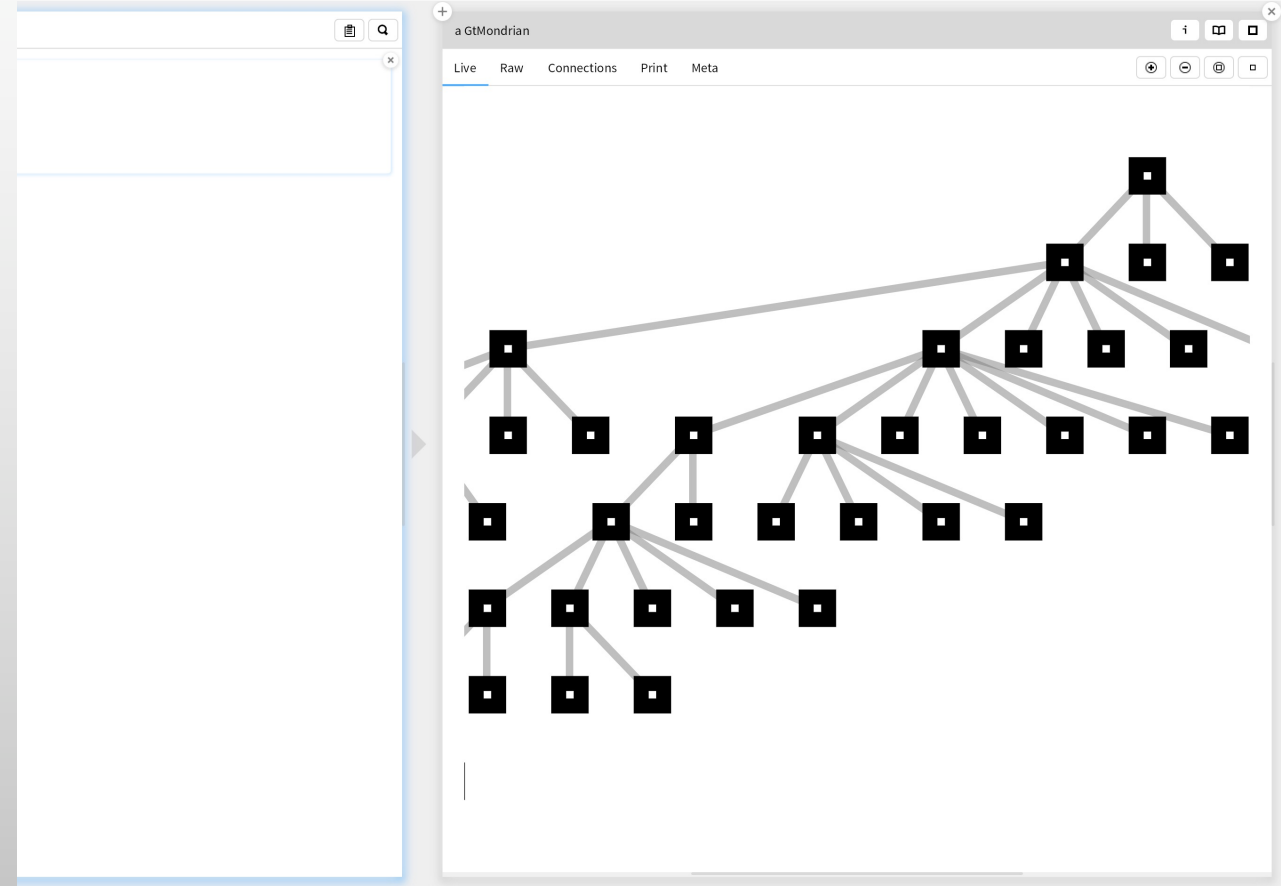


Graphviz4GT Package



Challenges

- Universal Foreign Function Interface
- Scaling Graphs



Demonstration

- Code at <https://github.com/rafibu/Graphviz4GT>

Further advances

- Library for Windows
- Scaling for bigger Graphs
- Curved Edges
- Grouping Nodes in a Graph
- Automatically detecting optimal layout

Summary

Implemented Graph Visualization for GT by:

- Creating a .Dot file describing the graph
- Calling graphviz through a FFI
- Parsing graphvizs description of the graph
- Returning this new graph