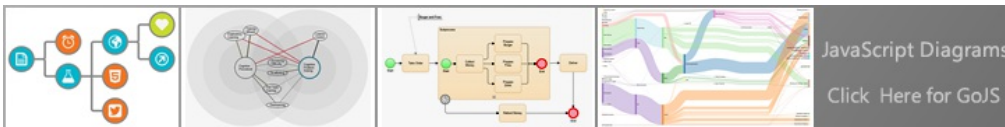


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Simple way to represent force/flow directed, weighted graph?



I have a set of weighted pairwise relations between nodes which are all of the same type, like this:

```
A-[1]->B
A-[2]->C
B-[3]->C
B-[2]->D
E-[1]->A
```

I'd like to lay out this graph in such a way that makes the precedence order of the nodes relatively clear (i.e. that "flow" goes roughly from E to A to B/C/D)

I think what I need similar to a [Force Layout](#) but with the added notion of edge weight and directionality

I've looked into using neo4j's builtin viz view and d3 but they don't seem to offer what I need out of the box. Is there a standard approach to this kind of problem?

d3.js graph neo4j data-visualization

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asked Apr 7 at 17:10

 [Arkadiy Kukarkin](#)
256 • 2 • 14

Note: the graph isn't guaranteed to be a DAG but there will be a node that can be considered to be at the "top" and I know how to find this node – [Arkadiy Kukarkin](#) Apr 7 at 17:13

Also, the graph may contain hundreds but probably not thousands on nodes and edges – [Arkadiy Kukarkin](#) Apr 7 at 17:14

why dont you just have a directed force layout graph, i.e arrows ? [bl.ocks.org/d3noob/5141278](#) – [AJ_91](#) Apr 7 at 17:19

@AJ_91: the arrows here help but the underlying force model is still `d3.layout.force`, which only seems to support uniform charge/distance/etc parameters so the layout won't react meaningfully to edge weights. I guess I could mess with line width, though – [Arkadiy Kukarkin](#) Apr 7 at 17:32

1 So all sorted then ? :) – [AJ_91](#) Apr 8 at 8:20

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1 Answer

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Even with Neo4j's built in viz you should be able to do:

```
MATCH path = (a:LabelA {id:"A"})-[:F00*..10]->()
RETURN path
```

which should show you the tree starting from A

share improve this answer

answered Apr 7 at 22:41

 [Michael Hunger](#)
25.2k • 2 • 21 • 41

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Your Answer

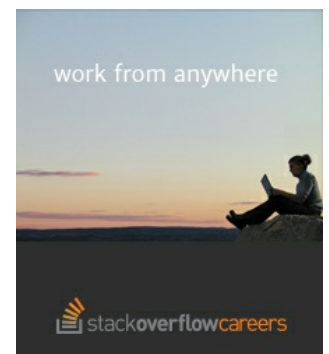
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



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