Graph Database (Neo4j)

OPUS 100k Graph

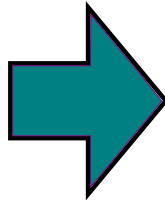**Labels:**
Global
Local
Meta
Process

**Relationships
(8 in total):**
LOC_OBJ
OTHER_META
...
...
PROC_PARENT

Database Size:
Node Store: 1.44MB
Property Size: 14.72MB
Relationship Store: 5.03MB
Total Disk Space
Consumed: 111MB

Relational Database (Postgres Equivalent)

Relations:
Nodes (10MB)
Edges (8.25MB)
Global (3.4MB)
Local (4.98MB)
Meta (1.03MB)
Process (296KB)

8 addtional relationships for each relationship type (ranging in size from 72KB to 2.63MB).

Materialised Views:
//adjacency list representations
adjlist_from (5.62MB)
adjlist_to (4.82MB)

Functions:
//a helper function for the FOREACH clause
doForEachFunc(int[], field TEXT, newV TEXT) RETURNS void

//functions required to implement the Cypher extension
cypher_iterate(int[]) RETURNS int[]
array_unique(arr anyarray) RETURNS anyarray

Database Size:
Total Disk Space
Consumed: 54MB