BI / read / 10

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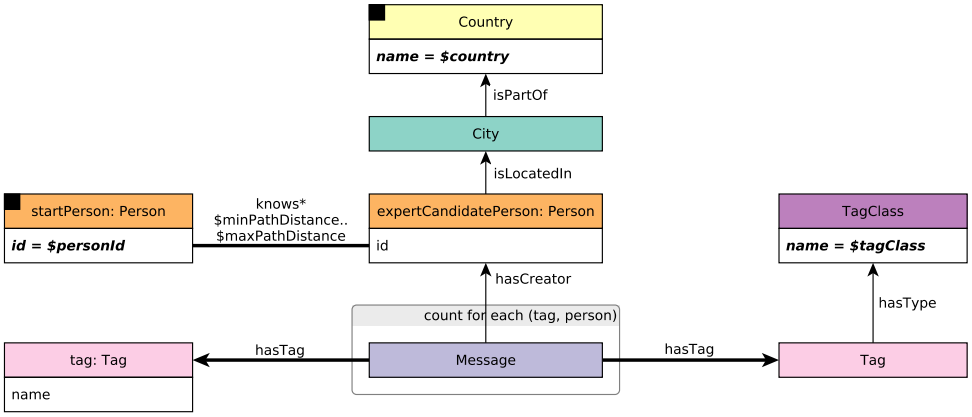
query	BI / read / 10
title	Experts in social circle
pattern	
desc.	Given a Person (`startPerson`), find all other Persons (`expertCandidatePerson`) that live in a given Country and are connected to given Person by a *shortest path* with length in range `[minPathDistance, maxPathDistance]` through the knows relation. For each of these `expertCandidatePerson` nodes, retrieve all of their Messages that contain at least one Tag belonging to a given TagClass (direct relation not transitive). For each Message, retrieve all of its Tags. Group the results by Persons and Tags, then count the Messages by a certain Person having a certain Tag.

params

1	`personId`	ID	The ID of the `startPerson`. Persons with a similar degree of knows edges are selected
2	`country`	String	Countries with a similar number of Persons are selected
3	`tagClass`	Long String	TagClasses with a similar degree of hasType edges are selected
4	`minPathDistance`	32-bit Integer	1 or 2
5	`maxPathDistance`	32-bit Integer	2 or 3

result

1	`expertCandidatePerson.id`	ID	R	
2	`tag.name`	Long String	R	
3	`messageCount`	32-bit Integer	A	Number of Messages created by that Person containing that Tag

sort

1	`messageCount`	↓
2	`tag.name`	↑
3	`expertCandidatePerson.id`	↑

limit	100
CPs	1.2, 1.3, 2.3, 2.4, 3.3, 5.3, 7.1, 7.2, 7.3, 8.1, 8.6