

NOTE Start by reading this document until the end.

InterActor Concepts and Skills Assessment

Graphileon's business consultants and developers have to understand what InterActor is about and must be able to handle Cypher, Neo4j's query language. In addition, Graphileon's team members are humans who communicate and are open to learning from each other.

To assess your understanding and capabilities in these fields, we have elaborated the following assignment.

Within 48 hours, present an online InterActor Community Edition instance that

1. Provides access to the data in an instance of the Neo4j graph store "TrumpWorld".
2. Has a shortcut that, when clicked, displays a table (*table 1*) with counts for each type of Organization present in the TrumpWorld dataset.
3. Allows the user to select row in *table 1*, to display 20 nodes of the type that is selected, and which have at least 3 connections to other nodes in the dataset. The result (nodes and relations) has to be displayed as a network (*network 1*)
4. Allows the user to rightclick on a node in *network 1*. The rightclick has to trigger a query that returns a table(*table 2*) containing a list of unique names,label combinations that are at a distance of maximum 3 hops from the node that was right-clicked.
5. Uses Styles: Organizations displayed as squares, different colours for different Organization types, Persons displayed as circles.
6. Provides access to a diagram that displays the InterActor functions that are involved in the interactions described in item 2,3, and 4.

Sources of information

- Neo4j website / documentation on Neo4j
- InterActor website / documentation on InterActor
- Initial InterActor configuration as available in Sandbox.
- Tom Zeppenfeldt (tom@graphileon.com) << only in case the other sources do not contain the information.

Present your results as quickly as possible by sending an e-mail to tom@graphileon.com with the username and password that we can use to logon and view your results.

If 48 hours is not enough to complete the entire assessment, you can present what you have been able to achieve, and we'd like to hear from you where you got stuck.

If you have plenty of time and inspiration, surprise us!

Remember, this is an assessment, not an exam that you can pass or fail.

Have fun!