

Internship/Graduation project



From:	ShareCompany
Date:	23-5-2017
Subject:	Possible internship/graduation project

1 BILLION STOCK QUOTE MESSAGES PER SECOND

ShareCompany expects to receive 1 billion stock quote messages per second in its distributed publish subscribe data grid. We would like to store every message indefinitely for querying and graphing. The grid needs to be improved for failover scenarios so no data gets lost. Finally we want to add computations into the grid where the results are again inputs for the data grid. Situations that need to be investigated include:

- a. saving to disk an query for graphing
- b. failover scenarios without loss of messages
- c. distribute calculation along site data location

Research upon this topic needs to be realized determining which actions, techniques or platform innovations ShareCompany needs to perform in order to be able to receive 1 billion messages per second in its distributed publish subscribe data grid.

APPLICATION

You can apply for this internship and/or graduation project by sending over your name, education and place of residence to mvanas-heijnen@sharecompany.nl. Please also indicate within this e-mail whether you want to do this project as an internship or as a graduation project.

ABOUT SHARECOMPANY

We optimize market data flows and turn data into knowledge. We named this our “BIQH Financial Data Services”. ShareCompany partners up with financial institutions to help master the complexity of financial market data. This means organizing data flows, maximizing straight through processing, minimizing manual interventions, reducing costs, being compliant and turning data into knowledge. And making sure that our clients can rely 100% on the integrity of the data.

Mastering complexity is what we’ve been doing for over 15 years and for the biggest banks and brokers in the Netherlands.

Please feel free to see more information at www.biqh.com.