

INVESTIFY

A software development project for the DHBW Mannheim

By Marvin, Dominik, Jonathan and David

AGENDA

- How it works
- Esper – the engine behind it all
- D3.js – powerful visualization
- Product demonstration

HOW IT WORKS

- Investify gets its financial data from Yahoo Finance in a .csv file format
- The data from Yahoo Finance is processed by an Esper engine
- After the data is processed it gets written into a .csv file
- The .csv file which contains the processed data is then taken as input for the d3.js visualization
- Visualized data is then displayed on the Investy homepage

ESPER – THE ENGINE BEHIND IT ALL

- Esper is a powerful engine for complex event processing
- Esper doesn't require a separate environment to be run like Apache Spark or Apache Hadoop smaller Overhead
- Simple event representation, comfortable stream joining and fast data streaming
- Also the developers felt more comfortable with Esper over other technologies like Sparke or Hadoop

D3.JS – POWERFUL VISUALIZATION

- Investify was thought off as a webpage which offers financial information for interested people
- D3.JS is an open source and free to use JavaScript library which enables simple yet powerful visualizations on webpages
- There is a big community which creates templates of specific visualization types and these where a solid foundation to be built upon for Investify

PRODUCT DEMONSTRATION

Investify

