

Enrichment of contact data using information from public APIs

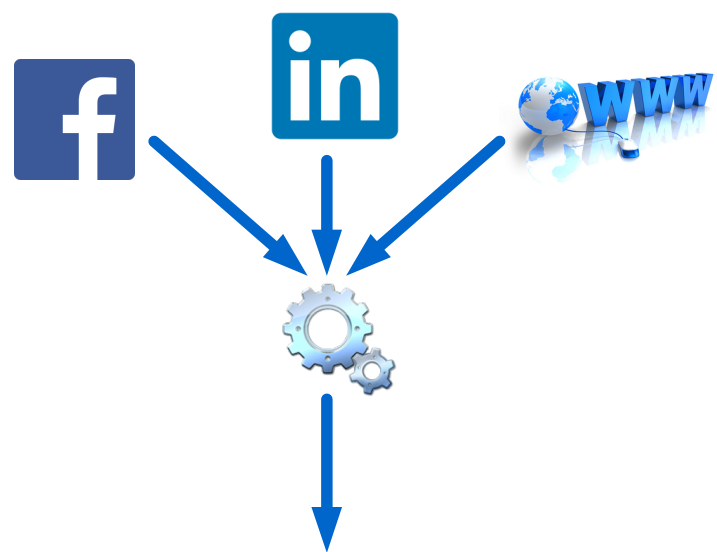
Markus Ehringer, 8th January 2018, Advanced Seminar Course for Graduands and Postgraduates

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- Introduction
- Motivation
- Research Questions
- Approach
- Schedule

- Situation: Incomplete contact data

First Name	Last Name	Company	Age	E-Mail
Nick	Pisa	Google		nick.pisa@gmail.com
Robert	Tuner	BMW	45	
Michelle	Rosa	TUM	32	mr86@tum.de



First Name	Last Name	Company	Age	E-Mail
Nick	Pisa	Google	23	nick.pisa@gmail.com
Robert	Tuner	BMW	45	rob.tuner@gmx.at
Michelle	Rosa	TUM	32	mr86@tum.de

Motivation

First Name	Last Name	Company	Address	Phone	E-Mail	Events	Keywords
Alex	***	***					
Benjamin	***	***					
Bernd	***	***					
Boris	***	***					
Christian	***	***					
Christoph	***	***					
Christoph	***	***					
Clemens	***	***					
Daniel	***	***					
Daniel	***						
Dominik	***						
Florian	***						
Florian	***	***					
Fritz	***	***					
Joachim	***	***					
Julia	***	***					
Kosta	***	***					
Marco	***	***					
Marco	***	***					
Maximilian	***	***					
Omri	***	***					
Paul	***	***					
Philipp	***	***					
Roman	***	***					
Sebastian	***	***					
Stefan	***	***					
Vitus	***	***					

Motivation

- Find appropriate contact persons
 - ... for a subject or company



Motivation

- Find appropriate contact persons
 - ... for a subject or company
- Invite people to events or to be a guest speaker



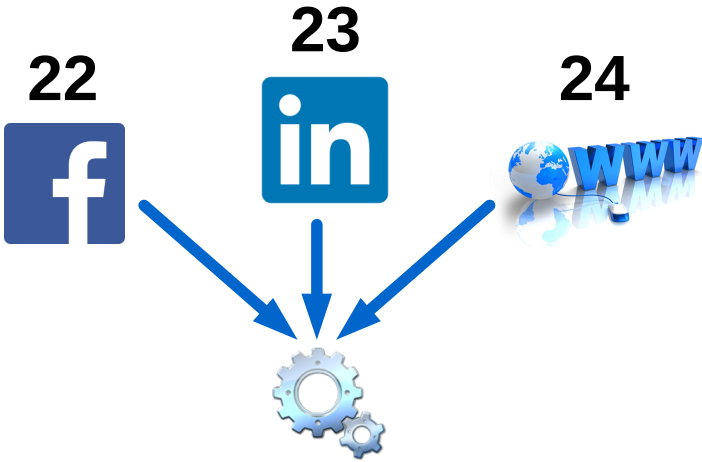
Motivation

- Find appropriate contact persons
 - ... for a subject or company
- Invite people to events or to be a guest speaker
- Improve personal connection on future events



Research Questions

1) How can the quality of a source's information/data be assessed?



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Research Questions

1) How can the quality of a source's information/data be assessed?

2) How can new appropriate contacts be added to the list automatically?

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Michelle	Rosa	TUM	32	mr86@tum.de
Tom	Cake	IBM	25	tom.cake@gmail.com
Laura	Ruby	Amazon	28	laurar22@gmx.de

Research Questions

- 1) How can the quality of a source's information/data be assessed?
- 2) How can new appropriate contacts be added to the list automatically?
- 3) How can the contact data, once enriched, be synchronized with the sources efficiently?**

Approach

- 1) Analysis of contact requirements
- 2) Finding and analysis of sources
- 3) Extracting data from APIs
- 4) Developing a concept for data quality assessment
- 5) Creating a concept for adding new contacts
- 6) Solve synchronisation issues
- 7) Assemble everything in a prototype using the sebis blockchain contacts

Schedule

