



Echtzeitanalyse auf Live-Datenströmen

13. September 2012

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Gründerteam



Moritz Hilger

M.Sc. (computer science)
Co-Founder CeleraOne

Prior to founding CeleraOne, Moritz served as an algorithm engineer at TomTom developing and optimizing routing algorithms and backend software systems. Before joining TomTom, Moritz conducted research in the field of combinatorial optimization at TU Berlin. He holds several patents on accelerated route planning systems. Moritz is programming since 1995 and started C++ development in 2005.

Dr. Falk-Florian Henrich

Ph.D. (mathematics), M.Sc. (mathematics)
M.Sc. (computer science)
Co-Founder CeleraOne

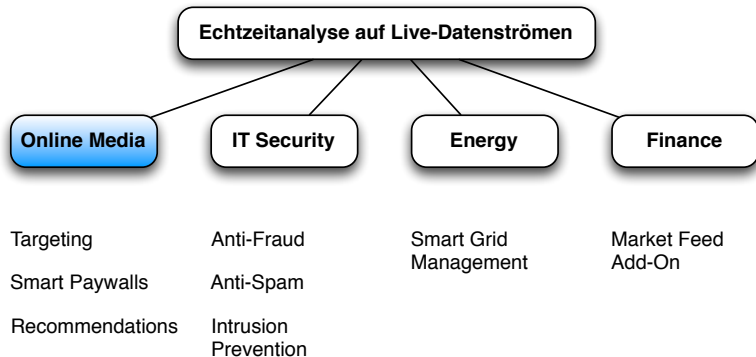
Prior to founding CeleraOne, Falk served as a lead developer for large-scale recommender engines, anti-spam and fraud detection systems at VZ Networks. Falk worked also for Recommend, Inc., a leading e-Discovery provider where he developed text categorization systems. Before that, Falk worked on machine learning, data mining, and analysis of loop spaces at TU Berlin. He wrote his first program in 1988 on a Robotron KC 85/1 and started learning C++ in 1997.

Tim Eggert

M.Sc. (computer science)
Co-Founder CeleraOne

Prior to joining CeleraOne, Tim served as a system architect at Searchmetrics, a leading expert in search analytics. He also worked as backend software developer and system operator for highly scalable systems at VZ Networks. Tim is programming since 2000 and writes C++, Python, PHP and Java fluently.

CeleraOne Zielsektoren

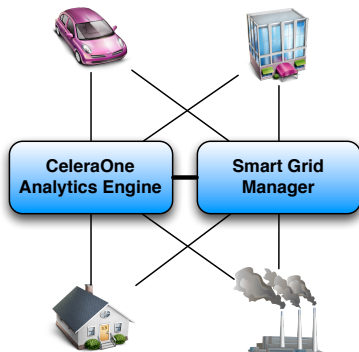


Internet & Smart Grid Anwendungen



Ein Datenstrom je Nutzer

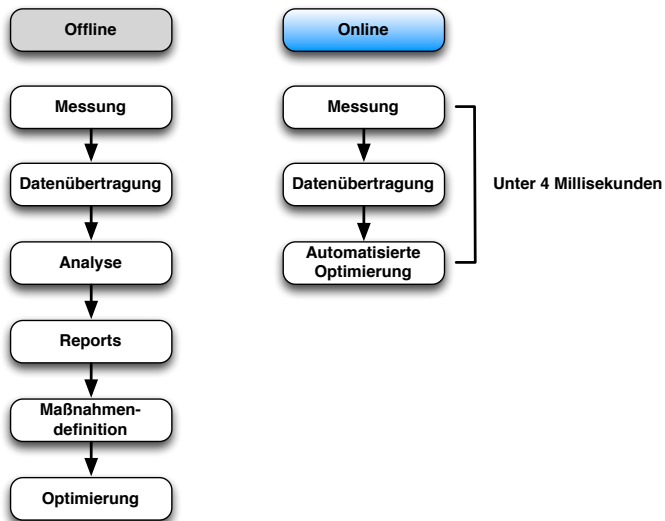
Jede Interaktion ist ein Event



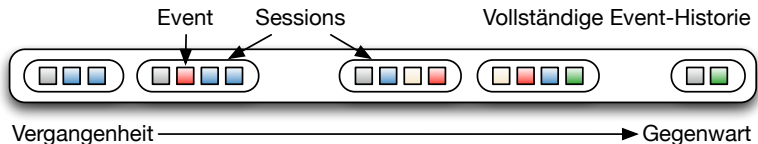
Ein Datenstrom je "Prosumer"

Jeder Meßdatensatz ist ein Event

Offline- vs. Online-Netzoptimierung



Flexibilität & Performance



Flexibilität

- ▶ Anschluß über diverse Datenübertragungsprotokolle
- ▶ Vollständige Ereignishistorie für jeden Datenstrom
- ▶ Einfache und zugleich mächtige Abfragemöglichkeiten
- ▶ Einfügen + Auswerten in einer Operation

Performance

- ▶ Minimale Latenz bei hohem Durchsatz
- ▶ 100% In-memory, keine Plattenzugriffe
- ▶ **100% Redundanz** durch Peer-to-Peer Clustering

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