Finch Computing : An Overview and an Update

December 17, 2015

Finch
COMPUTING

A Rebrand

Qbase®

Finch COMPUTING

MetaCarta

Finch Analyst

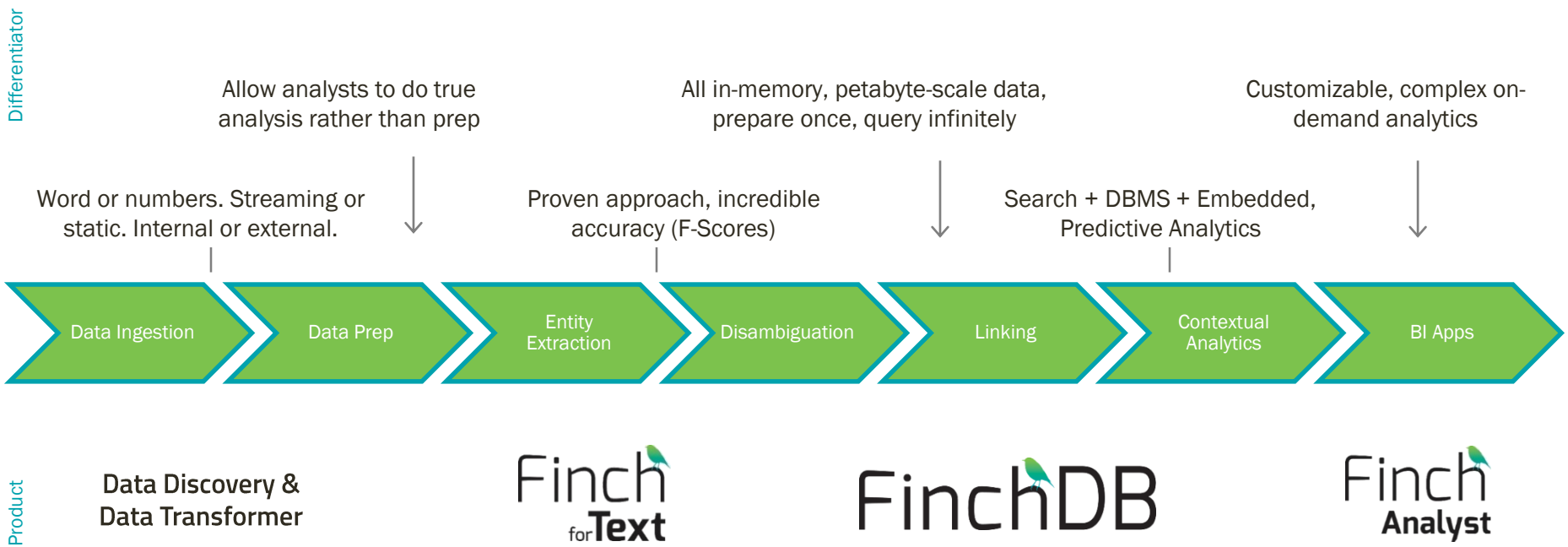
85% of the world’s content is unstructured.

Analytics are too slow.

Real-time isn’t really.

We build solutions that address complex analytics needs - at various points in the software stack.

Big Data Analytics Continuum



Finch COMPUTING

Introducing FinchDB

FinchDB

- An all-in-memory, NoSQL search and analytics platform with embedded analytics
- A JSON-style doc database
- Massively scalable in-memory compute platform
- Features extensible, in-database analytics
- Analytics embedded in database, but also in the models
- Capable of applying predictive analytics, on the fly, per transaction
- Distributed system, fault-tolerant, automatic failover
- An **enabling platform technology** upon which various solutions, satisfying a number of use cases can be met

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Introducing Finch for Text

Finch for Text is an entity extraction and disambiguation service that employs natural language processing, sophisticated statistical models and other heuristics to extract **eight distinct entity types** from unstructured UTF-8 documents.

It identifies: people, places, organizations, cyber entities, IP addresses, phone numbers, currency values and, dates and times (including ranges).

By taking in all of the relevant context surrounding these entities, it **correctly distinguishes** between same-named or similarly named entities.

Finch for Text draws on **a rich IP portfolio** to offer:

- Extreme accuracy and precision.
- Easy customization, installation and use.
- The ability to write new applications utilizing its JSON outputs.

Entity Disambiguation and Why It Matters

Finch for Text

- Understanding Finch for Text's power, and ultimately its value, begins with the concept of **entity disambiguation.** Not entity-type matching, or entity-resolution.

- Disambiguation demands **building algorithms** that can – in an instant – process text and understand whether it is referring to George Washington the president, or George Washington the university… or the town of George, Washington … or the George Washington Bridge in New York City.

- Disambiguation also means distinguishing **between identically named entities of the same type.** For example, John Roberts, the Chief Justice of the U.S. Supreme Court, or John Roberts, the Fox News correspondent.

Finch COMPUTING

Introducing Finch Analyst

Finch Analyst

- Finch Analyst is a **content enrichment** solution built for high-stakes, high-volume data environments.
- With an engaging, easily customizable interface, it finds hidden relationships in data from **15,000 news and information sources.**
- It reads **millions of unstructured documents** - news documents, blogs, websites – to the tune of approximately 1M documents every three days.
- It extracts **billions of entities** (people, places and organizations), and disambiguates them (***which*** John Roberts, ***which*** Michelle Williams).
- Finch Analyst affords users the ability to conduct **sophisticated, real-time analysis** on a massive corpus of data.
- Its massive knowledge bases and sophisticated algorithmic data models deliver **accuracy and trust.**

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Finch Computing Customers Do…

- **Geographic Discovery:** Finch for Text geotagged 85,000 documents in 30 minutes. It helped turn a one man-month project into an hour-long one. It prevented millions in redundant expenditures.

- **Entity Disambiguation:** Finch for Text disambiguates identically named people, places or organizations found in massive amounts of text. With unparalleled precision and recall. Whether the data is streaming or static.

- **Legal Intelligence:** FinchDB reprocesses the entire content library for a major legal information service provider. Every 30 minutes. Improving the data's accuracy every time.

- **Predictive Analytics:** FinchDB applies predictive models on the fly. So it's an attractive choice for retailers, insurers, regulators IoT device makers and more.

- **Content Delivery:** Real-time, personalized online ad delivery. To you. Not someone like you. It's every marketer's dream. FinchDB makes it possible.

- **Message Traffic:** Finch Analyst helps America's intelligence community gain situational awareness – in situations that matter most.

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LIVE DEMOS

Finch for Text

Finch Analyst

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DISCUSSION

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