

Make data sharing easier

Tools to prepare and play data



"In an ideal world, data would come in clean, easy-to-download CSV's and everything would be lovely"

Idrees Kahloon Data journalist at The Economist

datonix

Using datonix data analysis will be easier and will cost less

It costs a lot of money to collect and archive data.

It is expensive to process data to arrive at useful insights.

Experts must be hired, expensive equipment and software are required.

As a consequence costs add up quickly, resulting poor Value for Money, which makes it necessary to find less expensive and smarter solutions oriented to cost savings and computing performances.

that is easier said then done.

The datonix solution

Datonix development started after the total assets acquisition of the US corporation QueryObject Inc. Today, Datonix is a quite competitive DMSA (Data Management Solution for Analytics).

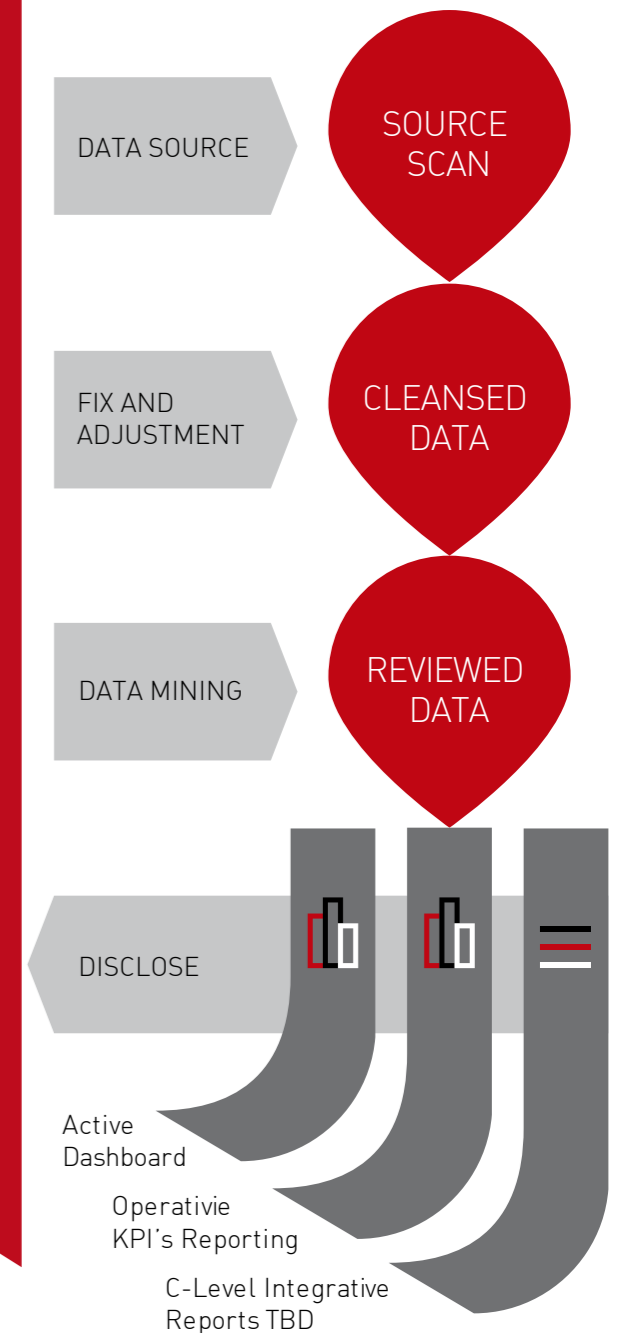
Usage of Datonix is recommended for data that have to be archived, processed and distributed in a technically correct format (rows and columns). Data Set in Datonix format are called QueryObject.

QueryObjects are binary files portable, lean, and read only that are open to be queried using Sql language.

Key Datonix advantages are data compression, query performance & scalability, in fact it is proven that Datonix scales to billions of records Data Set offering good Query response time even using limited computing resources.

Datonix runs on Linux, and MS-Windows. OEM Edition running on HP-UX, Solaris, MacOs are possible. Editions for other Operating System can be evaluated.

QueryObject and Datonix are trademark owned by datonix Srl - www.datonix.com



Supporting digital transformations

With Datonix is possible to move part of data integration activities from IT to the business so that people involved in data analysis, in data science, and in data engineering can efficiently work in team.

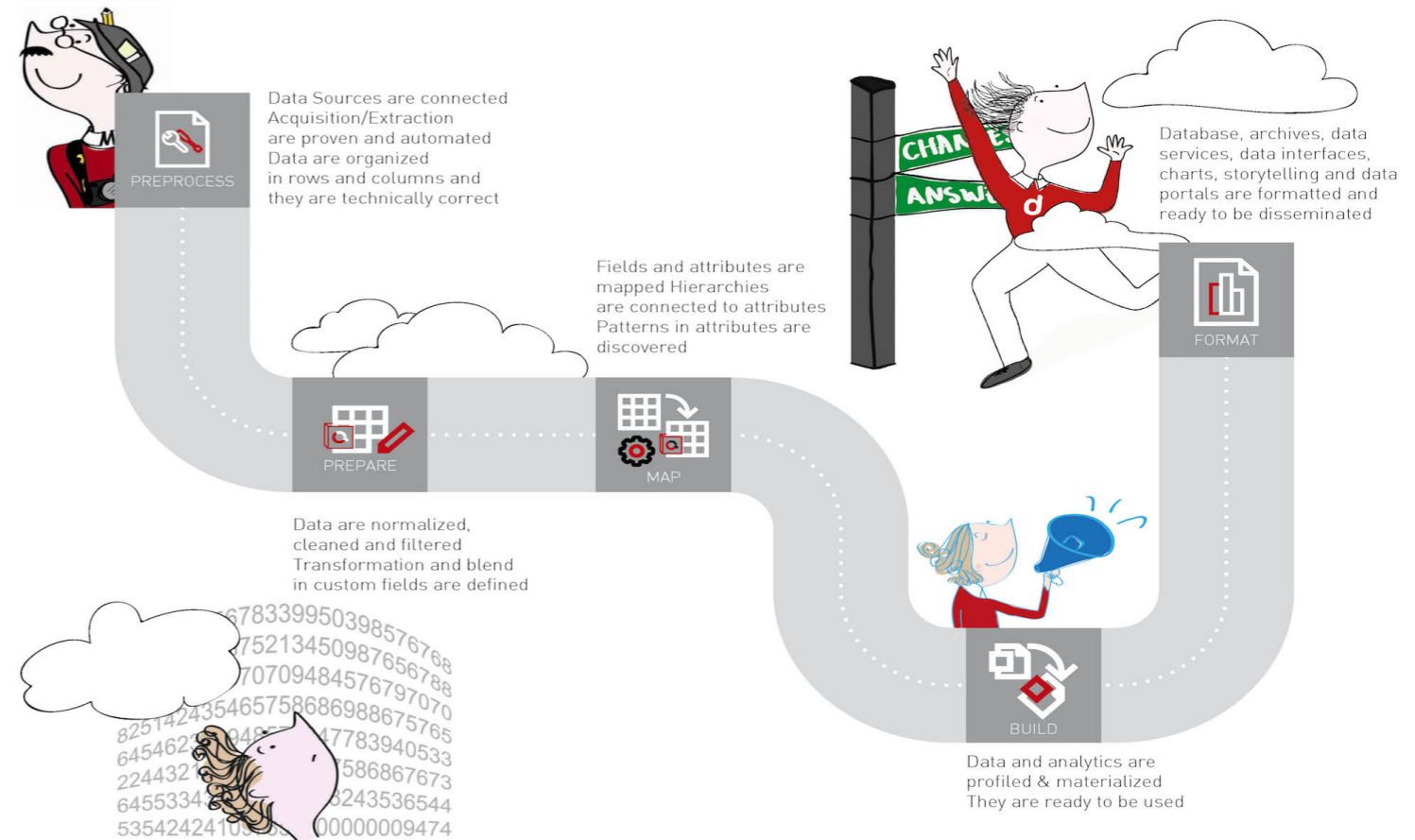
In addition, using datonix it is possible to implement modern data sharing and data monetization at scale

Value proposition

By using datonix it is possible to enable:

- Direct access to unlimited set of data
- Full end-user capabilities for consolidation, classification, reconciliation, normalization, changing data model
- Federated architectures

Transform data integration processes



Solution Architecture

The data scanner

Converts data in portable and compact file, the QueryObject

- Reduces elapsed and costs of bringing data to the business with unlimited scalability
- Offers Append, Merge, Union, Lookup, Change data features
- Tokenizes and anonymizes data

The intelligent QueryBuilder

Executes automatically the most used data discovery processes

- Write patterns in compressed sections of the QueryObject data set
- Profile, pre-aggregate and index data and analytics
- Supports regular and distinct counts
- Mount external hierarchies
- Bind custom processes on the flight

The data provider

Change data dissemination

- Set up web 2.0 data services in 1 click
- Standard Sql language
- Effective C Api, C++ wrapper

#PragmaticBigData

To establish connections with Database, File System, Hdfs, Stream, Cloud drives, IOT

To convert input data into Ready Data using our Proprietary format: the QO

To materialize answers to any query

To register QueryObject's contents in the Network

To establish connections with client tools

EXTERNAL DATA SOURCES

OOhpDG QueryObject high performance Data Gateway

Scanner Engines

Intelligent Query Builder

Provider

Wrappers

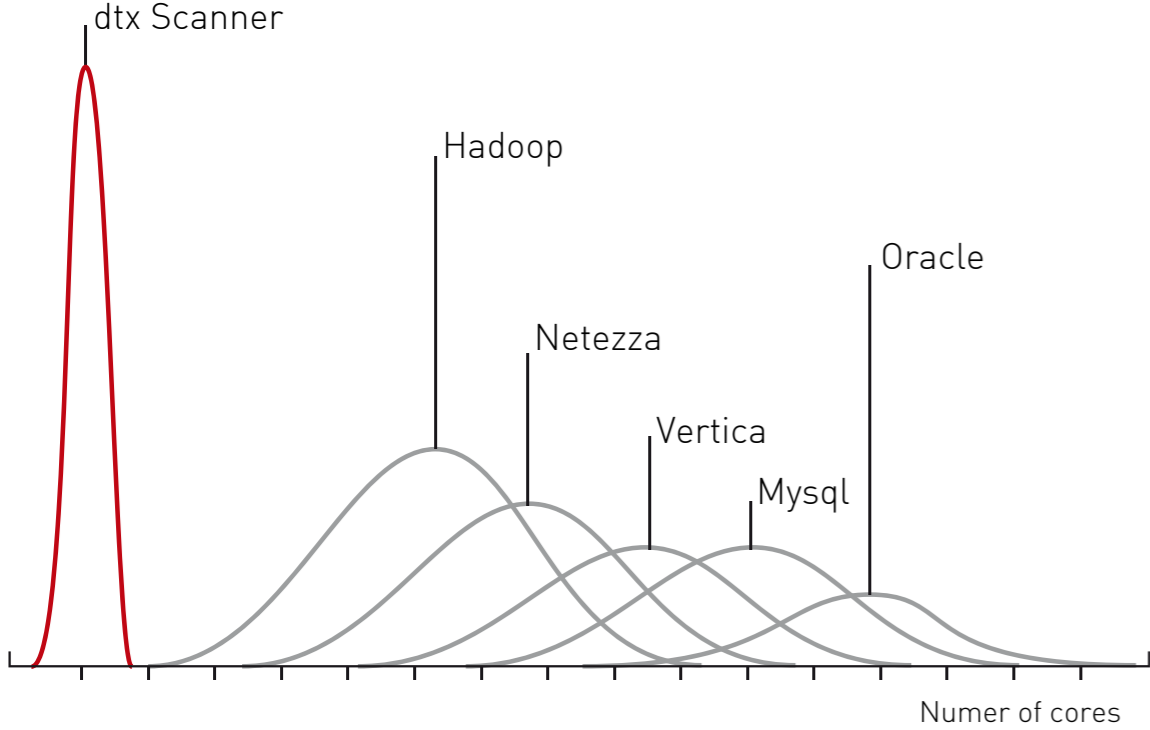
Http API

QO - ODBC

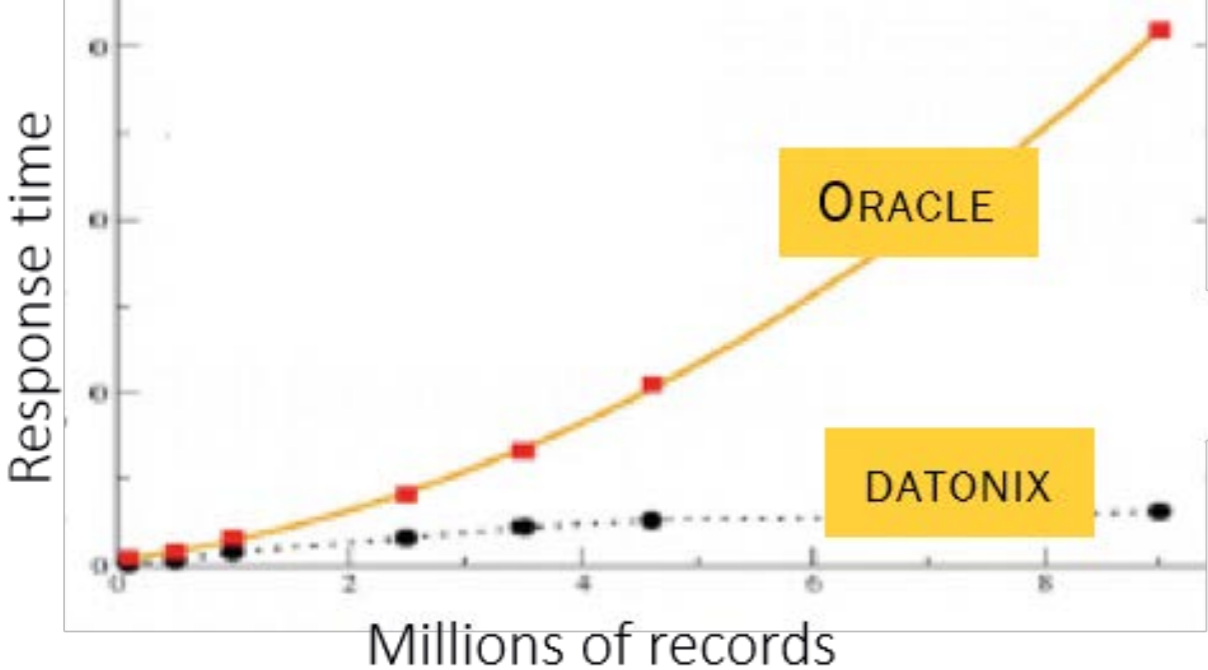
Performances

Apple to Apple performance test 100 Queries response time distribution

200gb dart stream



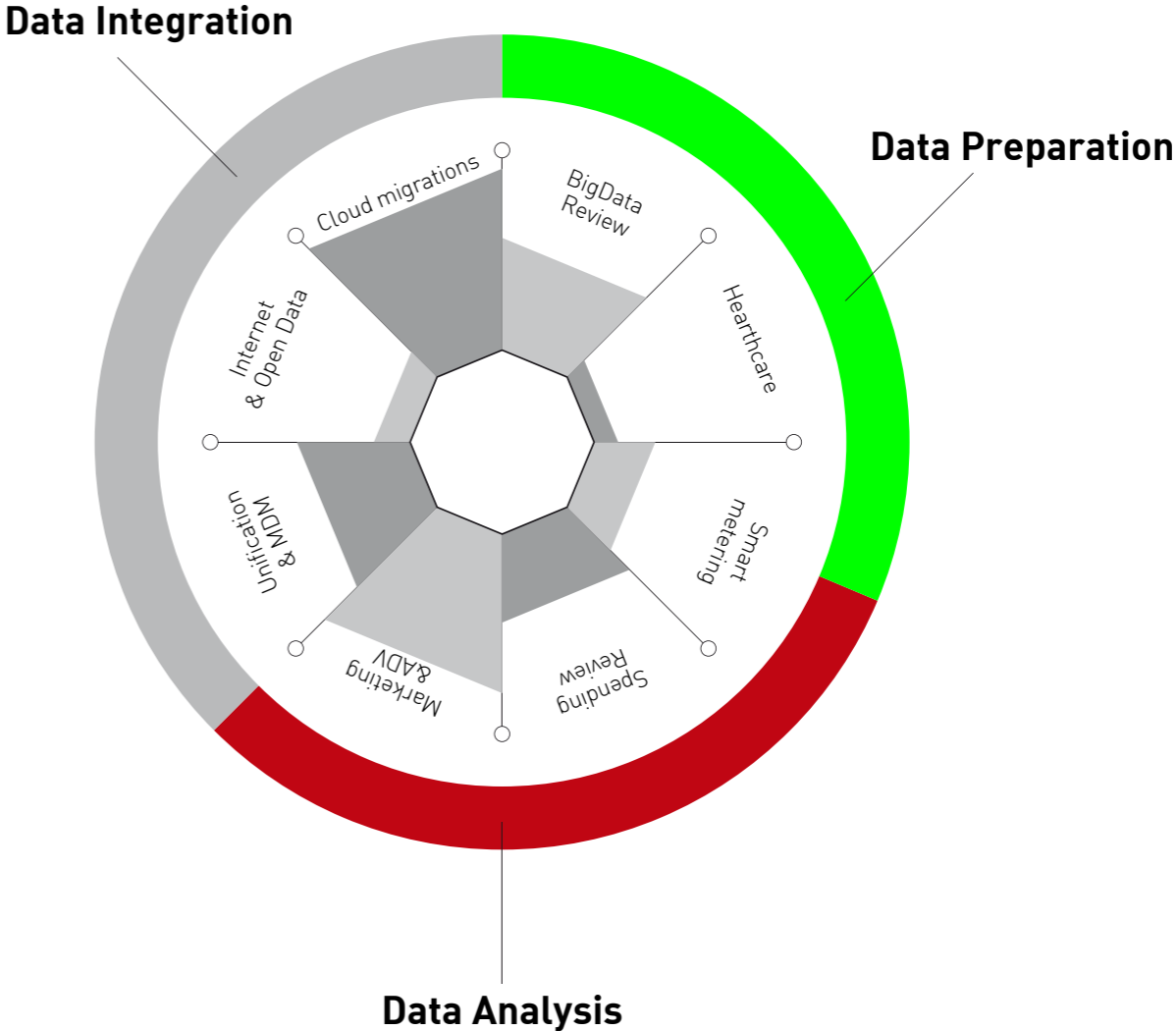
10 Millions records Fb preprocessed data



FONTE CNR LA SAPIENZA 2019

Where used?

Platform has been used over a variety of projects, successfully applied on different application domains.



Conceptualizing datonix capabilities

Capability 101, our experts and customer experts talks, it is a 1 hour webinar

Design the PoC, it is a face to face meeting at customer headquarter

Poc Options

Trial, 1 week test, people works remotely. It is followed by a one month trial

Challenge, takes 2 weeks, people works together. It is followed by training and 3 months trial of the software

Epic, full test bed 12 weeks exercise with development of real field features. Customer can then pass to implementation

