How to maximize the value of Big Data with the open source SpagoBI suite through a comprehensive approach

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COMPREHENSIVE APPROACH
DATASET

Independent object to collect data from different sources, used by visualization tools.

Follows SpagoBI behavioural model

scheduled

data

database

in-memory

visualization
DATA SOURCES

SpagoBI data sources are defined as connections towards different databases both from the Hadoop ecosystem and NoSql db

SQL-like queries:
- HiveQL
- HBQL
- CQL
- Cypher...
IN-MOTION DATA

Continuously running data can be processed by stream processors or CEPs and collected by SpagoBI dataset.
SEMANTIC DATA

Classify and categorize unstructured and heterogeneous data through semantic annotations, using domain ontologies.

Semantic information can be stored in NoSql Graph databases and extracted by SpagoBI dataset.
INFORMATION BUILDING

Cooperation of visualization tools and free enquiry engine to produce information

Ad hoc reporting

QbE Self Service

FILE

DATA SOURCES

DATASET

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AGILE DEVELOPMENT
SELF SERVICE

QbE engine allows to create new datasets and refine analysis in a graphical way.
AD HOC REPORTING

Worksheet engine provides an instant graphical meaning to datasets

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DASHBOARDS

Cockpit engine allows aggregating different documents, interacting one with each other, to get information at a glance.
JUST A USE CASE

Telecommunication companies: need to extract value from mobile data traffic information to improve services and advance new solutions.

Public administration: need to extract value from information gathered from different sources (consumption, highway traffic, voice traffic) in order to improve the supply of tourist, environmental, social services.

Open Data + Big Data = Value

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INFORMATION CYCLE

SpagoBI tools cooperating together produce NEW VALUE from information
WHAT NEXT?

Data mining
Text mining
Sentiment analysis
Predictive analysis
...

Extract value from information
Find out all information (demo, documentation, tutorials, services and much more) and download all SpagoBI components at:

www.spagobi.org

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