

### **HANELYTICS**

Blend of High Performance and Real Time Computing – HADOOP & HANA

VisionSoft specializes in analytics to capture the data from various sources and drive action through insights to improve your business operations: Revenue, Margins, and Operating Expenses – Powered by SAP HANA. Our solution, HANElytics brings in best of the breed– **HADOOP** with high storage performance and HANA that will provide real time analytics.

HANElytics is a rapid deployment solution which is designed to provide **Real-time Analytics on Big data** distributed across several clusters. HANElytics not only enables Enterprise grade real time analytics, but also gives a platform to **combine structured enterprise data with unstructured data** at massive scale (Petabytes or even zetabytes) data lakes such as Hadoop. HANElytics provides **reduced costs** through cost efficient data storage (commodity hardware) and processing for large volumes of structured, semi-structured, and unstructured data such as web logs, machine data, genome data and much more.

HANElytics provides the Cloud based framework which allows to lower the costs and also quickly build the prototype, test and move onto setting up the actual production environments. HANElytics uses Spark Controller to leverage the power of Apache Spark to enable heavily recursive algorithms, machine learning, & queries that cannot be easily expressed in SQL. HANElytics integrates with Big Data Hadoop Framework to provide a reliable, scalable and fault tolerant system to house the unstructured raw data and perform analysis by creating mashups between Enterprise.

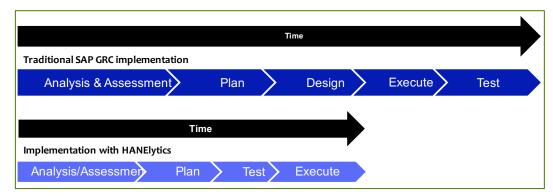
Scope of HANElytics covers following modules: Hadoop Cluster, SAP HANA Appliance, Integration of SAP HANA Appliance with Hadoop cluster and Data Federation with Interactive Reports/Dashboards:



# Why HANElytics?

### **Value Proposition:**

- Pre-Configured SOLUTION for HADOOP/ HANA integration
- Optimize cost by up to 50 % with cost efficient storage
- **Best of the breed**: Performance + Big Data + Cost
- Blend of massive storage and real time analytics solution
- Fast deployment with Cloud based framework 30-40% faster



## Features & Functions

#### **Features and Functions**

#### HANElytics offers a pre-packaged SAP HANA/HADOOP extension:

| Features  | Functions   |
|---|---|
| Best of breed architecture                      | HANElytics combines HANA, known for real time computing with Hadoop, known to store massively distributed BIG Data at a lowercost.  |
| Virtualization                                  | HANElytics leverages the virtualization between HANA and Hadoop by using the federation technology known as Smart Data Access (SDA). This means no data needs to be extracted and stored.   |
| Optimized processing                            | HANElytis uses Apache Spark's optimal processing power to access the Hadoop cluster   |
| Low cost  | Due to the below 2 factors, the cost of storage is greatly reduced:  Cloud-based solution  Hadoop cluster which uses commodity hardware   |
| Highly Scalable and<br>Reliable                 | Huge scalability and Fault tolerant   |
| Security & Access Control                       | With SAP HANA, we can enforce granular level security to the access and users.  |
| MPP   | Massive Parallel Processing of data   |
| Interactive front-end tools                     | SAP Lumia gives ability to visualize data in a user friendly and interactive way. SAP Design Studio provides interactive Dashboards on the processed data.                                  |
| Unique Tools, Templates and Accelerators (HANA) | Unique Templates and Accelerators Reports to check status of UAR requests and actual role assignment status. Roles marked for deletion in UAR by role owner were not getting de-provisioned |

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