



# SAP Innovation Awards 2019 Entry Pitch Deck

DataFirst with IBM EnterpriseHub Solution leveraging SAP  
HANA capabilities to the MAX!  
IBM Corporation

# Introduction Video with Demonstration of the Application and its components



<https://youtu.be/9-qeqRyBD8U>

# IBM Corporation



## “Quote”

“Enables Agile approach to data migration with DataFirst approach”

EnterpriseHub is a cloud-based or on-premise solution that accelerates complex data moves from legacy systems into SAP S/4HANA.

## Challenge

Poor data quality due to lack of data governance creates a huge risk to data migration during digital transformation program creating a roadblock on a path to an intelligent enterprise.

## Solution

IBM solution that accelerates complex data moves from legacy systems into SAP S/4HANA. It utilizes standard SAP tools combined with innovative IBM technologies to create a revolutionary data migration and analytics service.

## Outcome

Brings the data related challenges to the forefront of the project by applying “DataFirst” approach to data migration, enables Agile approach for Data Conversion, and reduces the program risk with non-disruptive implementation.

Saves 45%-65% of the costs typically associated with importing vast amounts of data from disparate ECC systems.

Delivers real Master Data and Transaction data to the project design sprints early in the project.

Business data team members can quickly review the data quality issues and take action with process automation.



## Partner Information

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**IBM**

**System Integrator for Data Migration and Data Conversion**



Accelerate the Intelligent Enterprise Transformation Programs





## Business Challenge & Objectives

Longer runtime for project during data migration cycles, increased number of Mock cycles for testing to allow sufficient time to business to clean and validate the data, increased risk of delays in project Go-lives.

Objective was to use SAP's HANA based innovative technologies to its maximum capabilities and deliver business value to a most challenging track of the enterprise transformation program – data track. Challenge was to create a solution to acquire data from different sources as quickly as possible, clean it, harmonized and validate it with business by making it load ready for S/4 HANA system.



## Project / Use Case Details

Established Pre-Structured SAP Modeled Areas for Staging, Transforming, and Migrating Data through a Data Conversion Project using SAP Data Services

Break the cycle of data prep and cleansing as a pre-requisite to data related initiatives.

Apply Prescriptive approach, agile and proven method for data conversions.

Utilize the extensive knowledge of process and data experts by exposing the data anomalies with near real-time process using SAP HANA Platform.

Report of data findings and remediation opportunities.

Find opportunities and efficiencies through data analytics as quickly as possible.



# Benefits and Outcomes

## Business / Social

Saves 45%-65% of the costs typically associated with importing vast amounts of data from disparate ECC systems.

Reduces the data migration program risk by allowing automated data cleansing, standardization, matching and deduplication logic

## IT

Project team can deliver data quality reports in real-time to business data stewards.

Reducing file based transfer of large volumes of data

Reduced extraction from sources by enabling change data capture with one time extraction logic

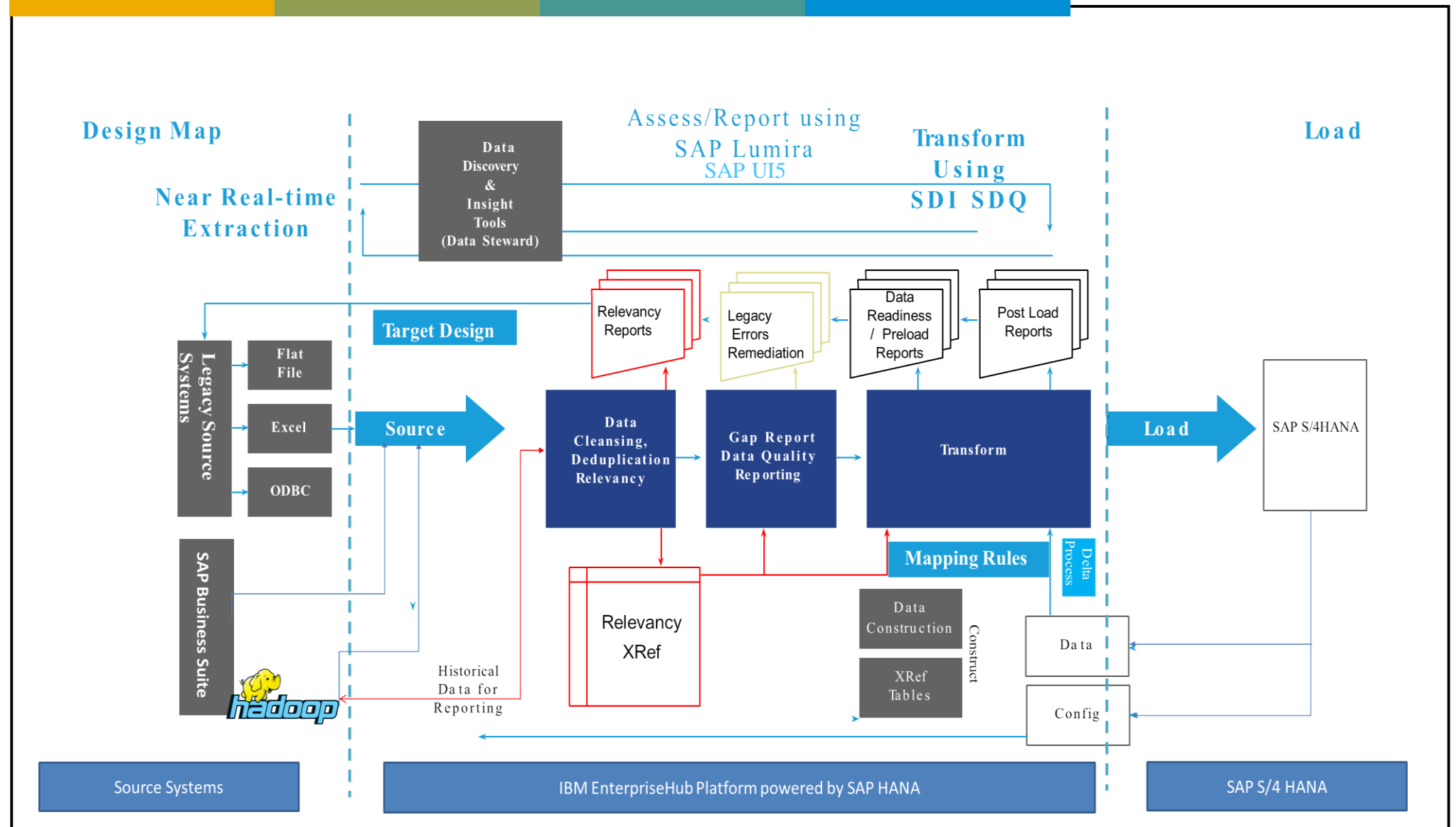
## Human Empowerment

Quicker time to merge the data with existing SAP ERP systems

Enables the capability of near-real-time passive data governance for master data and transaction data by complementing SAP Master Data Governance solution



# Architecture







## Deployment

Date of Deployment or POC: March 01, 2018

Number of live users: 60+

### **SAP Technologies Used:**

SAP HANA Enterprise with SDI, SDQ and SDA      Live/Production

SAP Data Services, Information Steward, Data Migration Cockpit      Live/Production

SAP Lumira      Live/Production

SAP Landscape Transformation Replication server      Live/Production

SAP UI5 on HANA Enterprise      Live/Production

Server Processor: Intel Xeon on IBM Power Systems P9

Linux Distribution: RHEL 7.3+



# Emerging Technologies and Use Cases

The following Emerging Technologies and use-cases are part of the project and describe the contribution

	Technology or Use Case	Yes/No	Contribution to Project
1.	Machine Learning / Artificial Intelligence	Yes	Advanced Data Quality detection and remediation recommendation
2.	IoT	Yes	Smart Meter Sensor data processed along with Harmonized Master Data
3.	3D printing	No	
4.	Blockchain	Yes	HANA Analytics by connectivity SAP Blockchain analytics
5.	API Economy / Integrate the Intelligent Enterprise	Yes	Data migration cockpit with S/4 HANA intelligent Enterprise
6.	Cloud Native / Event Based Architectures	Yes	Real-time data acquisition
7.	Extending the digital core with SAP CP / ABAP in SAP CP	No	
8.	SAP Leonardo Application ( extending SAP application, using Industry Innovation Kits or result of Design Thinking workshop)	No	