

ENTERPRISE DATA WAREHOUSE (EDW) OPTIMIZATION



Organizations have been building Enterprise Data Warehouses (EDW) for more than a decade. These EDW platforms have become de-facto storage for all enterprise data and typically reside on expensive massively parallel processing (MPP) databases, like Teradata, Netezza, DB2 or Exadata.

Unused data in the EDW is being stored on expensive storage devices and data transformation (ELT/ETL) processes are consuming large amounts of CPU resources on these MPP platforms.

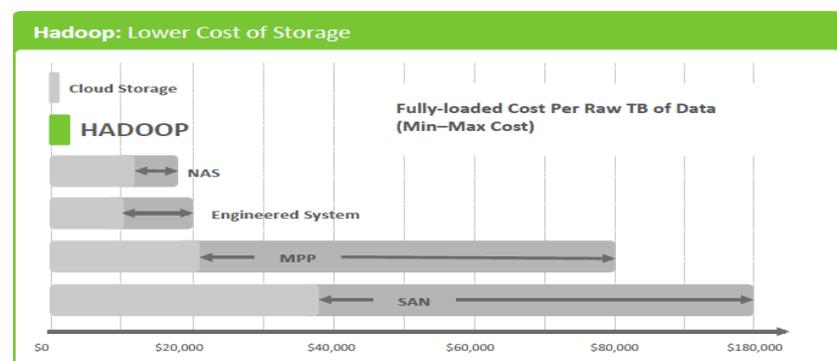
It is not unusual for as much as 60% of CPU capacity to be consumed by data transformation and load processes, for more than 50% of data to be unused, and 95% of queries only access the most recent 2 years of data.

Increasingly enterprises are challenged with capturing large amounts of internally and externally generated data exceeding current EDW capabilities. Businesses are required to collect this data from an ever expanding number of sources (social media, devices), in a wide variety of formats (structured and unstructured) at digital speeds.

Today's modern enterprise requires implementing a new data architecture to avoid expensive MPP upgrades, optimize overall EDW costs and support enhanced data and analytics capabilities.

Apache™ Hadoop® reduces costs by deploying on commodity servers and storage devices and scales incrementally.

**RCG Global Services,
offers an EDW
Optimization solution
with products from
partners
Hortonworks and
Attunity that deliver
real financial benefits
by effectively
implementing Apache
Hadoop to augment
current
EDW platforms.**



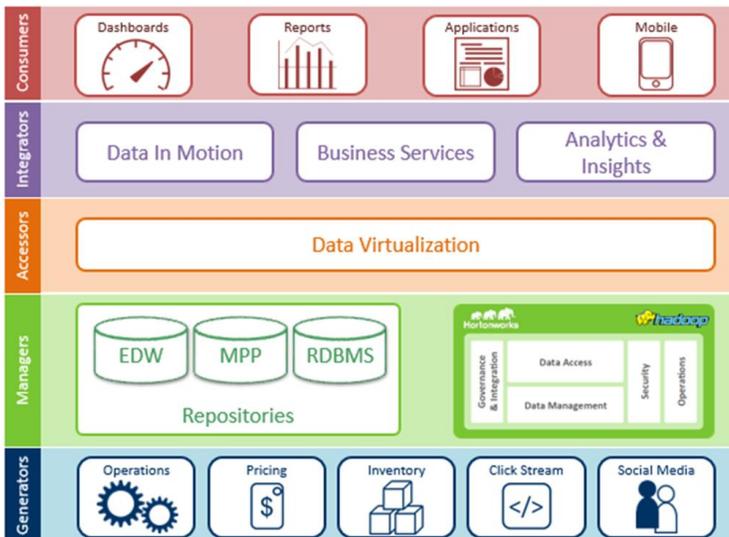
Source: Juergen Urbanski, Board Member Big Data & Analytics, BITKOM

RCG provides an EDW Optimization solution that includes products from Hortonworks and Attunity that assists our clients with effective implementations of Hadoop to augment their current EDW architecture to achieve the following benefits:

- Reduce cost and improve performance by off-loading EDW data and processing to Hortonworks Data Platform (HDP)
- Implement a platform that scales incrementally using low cost hardware and software
- Support unstructured, semi-structured and structured data in a single analytics platform
- Enable new analytic capabilities providing insight that is not possible to achieve from current environments
- Provide seamless access to data for analysis and business applications

MODERN DATA ARCHITECTURE

RCG and Hortonworks are assisting our clients to reap the benefits of transforming their legacy data processing and analytics into a modern data architecture that incorporates HDP to allow organizations to collect everything, dive in anywhere and provide key stake holders flexible access to all enterprise data.



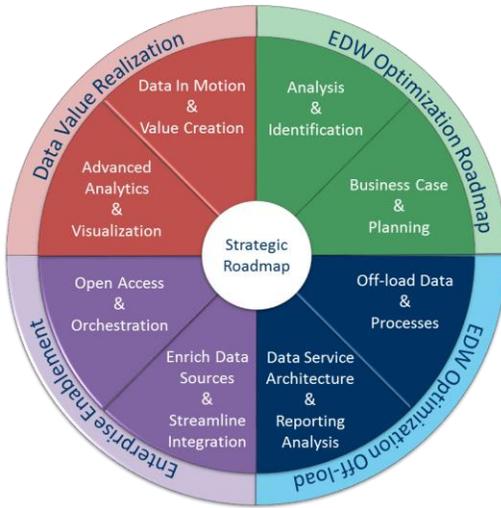
This architecture provides benefits in the form of efficiencies and new capabilities not available in legacy solutions.

- Efficiencies: Significantly lower storage cost and optimization of data processing workloads such as data transformation and integration
- New capabilities: Flexible “schema-on-read” access to all enterprise data, and multi-use and multi-workload processing on the same sets of data (batch and real-time).

Whether you are just getting started or already implementing your Hadoop platform, our EDW Optimization offering will help to clarify your vision and provide a step by step approach for realizing the value of your investment.

EDW Optimization Offering:

- **EDW Optimization Roadmap**
- **EDW Optimization Off-Load**



Solution Model

Our proven approach, products and accelerators deliver quick EDW cost savings and establishes a modern data architecture to enable new analytical capabilities.

EDW OPTIMIZATION ROADMAP

Our streamlined analysis and planning engagement assists our clients in building the case for moving from their current legacy architecture to a Modern Data Architecture and beginning their journey to a “Data Lake.”

Using Attunity Visibility, a data usage and workload analysis is performed to identify off-load opportunities for ETL/ELT processing and moving dormant and unused data to Hadoop.

Our team will summarize the current state analysis, create a future state architecture, define a business case (ROI) and develop an implementation roadmap (including quick wins).

EDW OPTIMIZATION OFF-LOAD

Our team reviews current EDW data sets and ETL/ELT processes to develop a detailed approach for off-loading. A proof-of-concept may be provided for special situations.

We will establish or configure your Hadoop environment and use RCG's data ingestion framework to accelerate the migration of dormant and unused data to Hadoop. We then migrate your ETL/ELT processes to Hadoop.

Our last steps include restructuring the data to optimize performance and provide seamless access for data analysis.

Additional Related Services:

ENTERPRISE ENABLEMENT

Extend the platform to support, enriched data sources, service orchestration and data virtualization.

DATA VALUE REALIZATION

Provide capability to analyze data in motion, advanced analytics, information value creation, and visualization.

Our proven approach, products, and accelerators deliver quick EDW optimization cost savings and establishes the modern data architecture to enable enhanced analytic capabilities.

ABOUT HORTONWORKS



Hortonworks develops, distributes and supports the only 100% open source Apache Hadoop data platform. Our team comprises the largest contingent of builders and architects within the Hadoop ecosystem who represent and lead the broader enterprise requirements within these communities. The Hortonworks Data Platform provides an open platform that deeply integrates with existing IT investments and upon which enterprises can build and deploy Hadoop-based applications. Hortonworks has deep relationships with the key strategic data center partners that enable our customers to unlock the broadest opportunities from Hadoop. For more information, visit www.hortonworks.com.

ABOUT ATTUNITY



Attunity is a leading provider of data management software solutions that enable moving, preparing and analyzing data efficiently to streamline operations, increase productivity and improve decision-making. Attunity enables data access, management, sharing and distribution of data, including Big Data, across heterogeneous enterprise platforms, organizations, and the cloud. The company's software solutions include data replication, data flow management, test data management, change data capture, data connectivity, file transfer and replication, data warehouse automation, data usage analytics and cloud data delivery. For more information, visit www.attunity.com.

ABOUT RCG GLOBAL SERVICES



RCG Global Services is a strategic service provider with over forty years of business strategy and technology integration delivery. With twelve U.S. locations and a wholly owned development center in the Philippines, RCG services 250 clients, including 25 of the Fortune 100. RCG has over 1,200 associates internationally averaging over twelve years of experience. RCG was named by CIO Story magazine as a top twenty Big Data solution provider. RCG brings strategic partnerships, proven methodologies, technology accelerators, and an Emerging Technology lab to quickly deliver innovative client solutions. For more information, visit www.rcggs.com.