

WORKLOAD TRANSFORMATION SOLUTION

# Transform Your Warehouse Automagically

## EDW Transformation to Big Data

Data warehouse modernization and transformation is considered a strategic imperative today for most large enterprises. The legacy enterprise data warehouses are choking under the weight of an abundance of new unstructured and fast data sources. This is creating a concern over the ever increasing cost of ownership and operation.

One key aspect of modernization is transforming the workloads from legacy data warehouses to big data. Manual identification and transformation of EDW, ETL, analytical and reporting workloads is complicated, tedious, time-consuming and error-prone.

The Impetus Workload Transformation Solution revolutionizes all aspects of the manual approach to transformation. The Workload Transformation Solution transforms your warehouse workloads automagically to big data on cloud, on premise or hybrid; with speed, reliability, and no coding required.

**It simplifies and accelerates the transformation process by:**

- Automatically identifying the right transformation candidates
- Automatically transforming the legacy schema to an optimized big data model
- Automated logic transformation to choice of supported query engines
- Automated certification / audit of transformation automation
- Filling Technology Gaps (keywords/functions/data types) in the target
- Providing transparency and human control

**KEY BENEFITS**

<b>4x</b> Faster	<b>100%</b> Reliable
<b>5x</b> Developer Productivity	<b>100%</b> Enterprise Ready
<b>300%</b> ROI	



**ASSESSMENT**

Right position the workloads



**MIGRATION**

Migrate schema, data, view, report



**TRANSFORMATION**

Transform complete logic



**EXECUTION**

Execute transformed scripts



**VALIDATION**

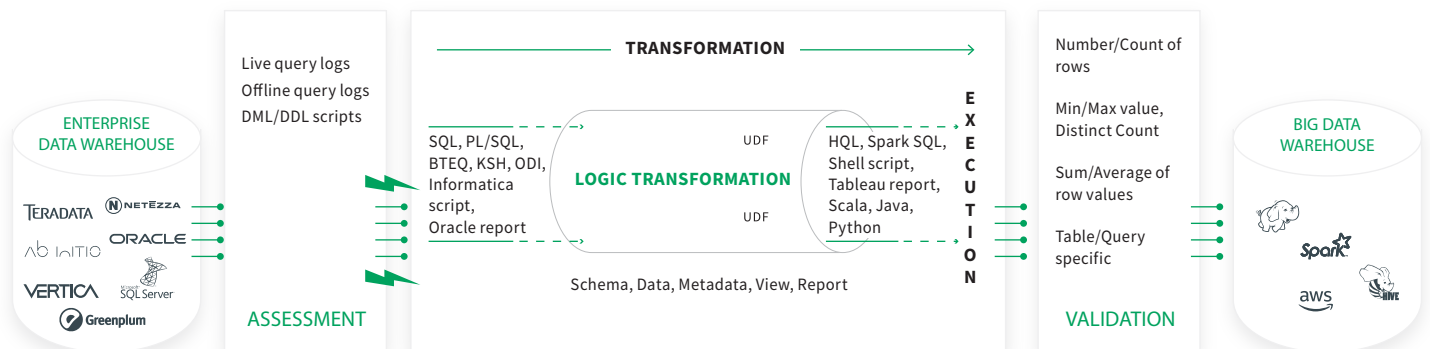
Validate data, metadata, queries

Impetus Workload Transformation simplifies the daunting task of data warehouse modernization by building upon the experience gained from 20+ enterprise transformation projects and bringing in the tools that deliver the fastest & most reliable transformation.

- **Automated inventory & profiling of current workloads**
- **Right positioning of workloads:** Enable Data Driven Assessment to prioritize workloads for transformation and optimization
- **Optimized migration:** Migrate data (historical and incremental) and schema with great ease. Also, tune the schema on the fly. Improve CPU/ memory usage, cache hit ratio and disk I/O by partitioning, clustering, bucketing, etc.
- **Automated legacy code transformation:** Automatically transform the legacy code with industry’s first, patent pending, intelligent transformation engine built upon years of successful transformation expertise. Go code-free!
- **Performance prediction** of transformed queries highlighting the ones that are candidates for optimization
- **Notebook-based online transformation:** Transformation engine extended to generic sources through a Notebook Editor that provides great flexibility to simultaneously edit the transformed queries and validate their syntax
- **Execution** of the transformed scripts on any standard big data environment
- **Automated validation framework** to certify successful transformation. Inbuilt validations for transformed data, metadata, and other workloads

## KEY FEATURES

- Self-service data-driven assessment
- One click transformation - data, workloads
- UI-driven, automated script transformation
- Choice of query engine: HQL and Spark SQL
- Output artifacts: SQL, Java, Scala, Shell, Python
- Data structure optimizations
- Transformation engine made extensible to generic sources
- Query performance prediction on target
- Detailed transformation report
- Drag and drop based workflow management
- Automated metadata harvesting and publishing
- Monitoring, audit logs
- Supports end-to-end EDW transformation
- Extensible, repeatable, verifiable framework



Save more than 80% of your next transformation project cost.  
 Contact [inquiry@impetus.com](mailto:inquiry@impetus.com) for details.

## IMPETUS

Impetus is focused on creating big business impact through Big Data Solutions for Fortune 1000 enterprises across multiple verticals. The company brings together a unique mix of software products, consulting services, Data Science capabilities, and technology expertise. It offers full life-cycle services for Big Data implementations and real-time streaming analytics, including technology strategy, solution architecture, proof of concept, production implementation and on-going support to its clients. To learn more, visit [www.impetus.com](http://www.impetus.com) or write to us at [inquiry@impetus.com](mailto:inquiry@impetus.com).