



Data and Workload Migration for Azure HD Insight



MLens is solution from Knowledge Lens which enables automated migrations of data, workload and security policies from Hadoop Distributions (Cloudera/Hortonworks) to Microsoft Azure HDInsight.

Data Migration

- High speed data migration with Kerberos support
- Snapshot and Recovery for On-Prem Clusters
- Hbase Replication

Security Migration

- Migrations of Hadoop ACLS
- Migration of Sentry/Ranger Policies
- Built in integration with Azure Active Directory

Workload Migration

- Support for most of the Hadoop workloads
- Support for Orchestration Tools like Oozie, Airflow
- Automated Audit and Reconciliation Reports

Why MLens?

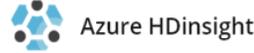
- Save 55-66 % in migration costs
- Reduction of 2-3x in timelines by using MLens compared to manual methods
- Reduction of risk due to data losses and quality issues
- Comprehensive support for multiple Cloudera and Horton versions

"MLens has been our tool of choice for ensuring we are always covered for disasters, bringing in the capability to regularly backup and rapidly reinstate data and Data Lake components. MLens, being almost invisible to applications and easy-to-integrate on the platform makes it precisely the tool for the job. We have been very pleased with Knowledge Lens' ability to provide us the best of solutions and products for our problems."

Data Lake & Products Owner, Major US BioPharma Company.



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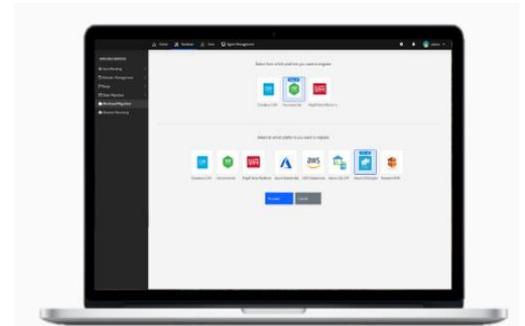
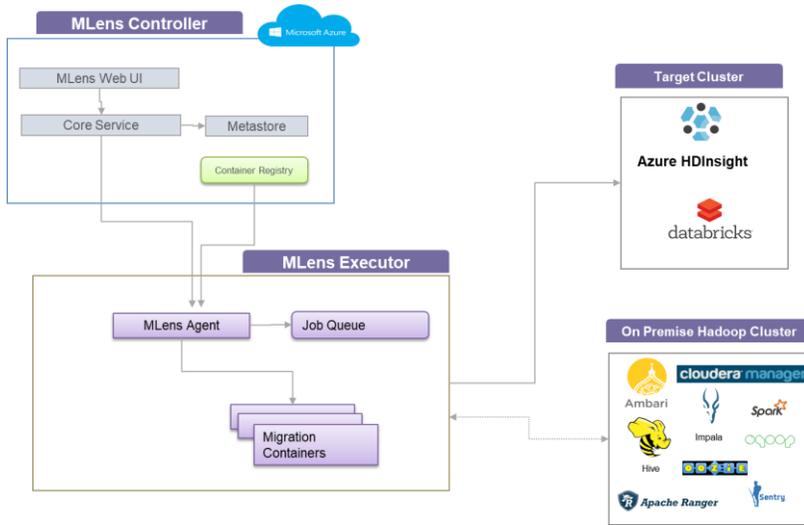


Data Migration	HDFS	→	Azure ADLS Gen 2
Warehouse Definition Migration	Hive Databases/ Tables/ Views	→	Hive Metastore
	Impala Databases/ Tables/ Views	→	Hive Metastore
SQL Migration	Hive Queries	→	Hive-LLAP Queries
	Spark Queries	→	Spark Jobs
	Impala Queries	→	Hive-LLAP Queries
Security	Cluster Access	→	Azure AD
	HDFS access permissions	→	Ranger
Orchestration	Oozie Jobs	→	Oozie Jobs

An offer to get you started

- Free comprehensive detailed assessment report that can be leveraged during pre-migration
- Contact us for a Free Demo at sales@knowledgelens.com

Architecture



Why Knowledge Lens?

MLens is built with our years of expertise in the Hadoop Ecosystem. MLens automates most of the heavy lifting and packages best practices of Azure.

We are an expert team of architects and engineers who will not only provide support for end to end migration but also help establish your Data Lake