CAZENA
THE INSTANT DATA LAKE

Instant Cloud Migrations for Data Lakes

Data Lake Cloud Migration is Fast and Seamless with Cazena's Instant Cloud Data Lake.

Now, within four to eight weeks, enterprises can migrate and upgrade on-premises data lakes (Cloudera, Hortonworks, etc.) to the cloud for the best price-performance and flexibility. Cazena allows a radically faster and lower risk approach to migration. We start by instantly delivering a production-ready target cloud environment. Then, Cazena's automation and built-in tools help you complete a phased iterative migration of data lake security, data, metadata, workloads, and orchestration.

Once migrated, Cazena's Instant Data Lakes are fully-managed, averaging half the TCO of on-premises data lakes. That enables enterprises to reduce dependencies on expensive on-premises infrastructure and eliminates the need for new operational resources and skills.

A New Approach to Cloud Migrations for Analytics

Data lake migrations from on-premises to the cloud require seven key steps, from scoping to deployment. Traditional migrations use a serial, waterfall approach to these steps, which can take 8-12 months with high-risk and a patchwork of manual hand-offs between migration services and on-going operations. Cazena is a new approach to migration. The Instant Data Lake accelerates migration timelines and significantly lowers risk with automation.

Cazena Cloud Migration Acceleration with the Instant Data Lake

1	2	3	4	5	6	7
Scoping On-Prem Environment	Target Prod Deployment & Security & Compliance Certification	Migrate Data & Meta-Data	Migrate Workloads & Orchestration	Workload Optimization for Cost & SLA	User Onboarding & Self-Service Analytics	Target Prod Ops

Migration steps in green are significantly accelerated by Cazena's automation.

Cazena: 4-8 Weeks, Cloud Ready Low Risk, Iterative, 6+ Months Acceleration

Traditional DIY or SI's: 8-12 months High Risk, Waterfall, Migration to Ops Hand-off

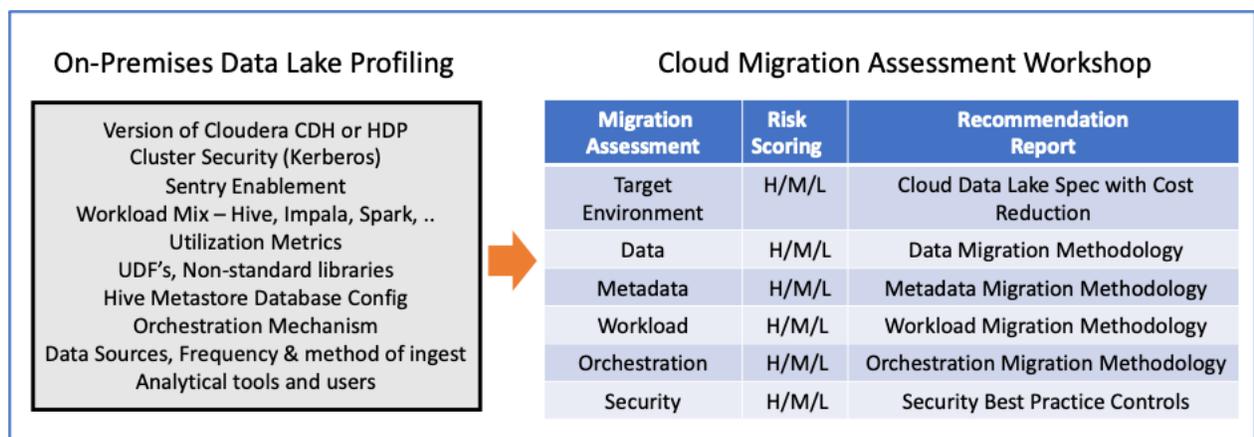## 'Easy Start' Migrations: Fast Operationalization with Minimal Risk

Cazena's Easy Start Migration process is completed in four to eight weeks. Cazena teams work with you to draw up a migration strategy and project plan based on a detailed technical assessment. The new target Cloud Data Lake is provisioned instantly and connected to data sources and tools. Then, expert teams work with you, tracking weekly milestones as production workloads are migrated to AWS or Azure. The Cazena Easy Start Migration is offered as a monthly consumption model and the entry cost to start is $5K/month.

The Migration Assessment Workshop

Cazena offers a 60-minute expert workshop to help you assess your data lake migration strategy. This complimentary workshop will help you determine whether cloud migration is the right choice for your organization.

Along with profiling your existing on-premises data lake environment, the workshop will allow you to take away key recommendations including:
- Cloud Data Lake profile, capabilities and cost comparison vs. current data lake.
- Best practices and methodologies for migrating data, metadata, workloads, orchestration, and security.
- Risk scorecard and recommendations for enterprise security and compliance.

On-Premises Data Lake Profiling

Version of Cloudera CDH or HDP
Cluster Security (Kerberos)
Sentry Enablement
Workload Mix – Hive, Impala, Spark, ..
Utilization Metrics
UDF's, Non-standard libraries
Hive Metastore Database Config
Orchestration Mechanism
Data Sources, Frequency & method of ingest
Analytical tools and users

Cloud Migration Assessment Workshop

Migration Assessment	Risk Scoring	Recommendation Report
Target Environment	H/M/L	Cloud Data Lake Spec with Cost Reduction
Data	H/M/L	Data Migration Methodology
Metadata	H/M/L	Metadata Migration Methodology
Workload	H/M/L	Workload Migration Methodology
Orchestration	H/M/L	Orchestration Migration Methodology
Security	H/M/L	Security Best Practice Controls

Schedule Your Assessment Today: Migrations@Cazena.com

A Cloud Migration Success Story: Worthington Industries Migrates to AWS

Worthington Industries is North America's premier steel processor, providing a range of products and services for automotive, construction, and agriculture. The IT team wanted to modernize their data environment with a data lake to support quality improvement, IOT analytics, and preventive maintenance. They found it challenging and time-consuming to manage an on-premises data lake and explored a migration to the cloud.

Cazena's Instant Data Lake made the migration an easy, risk-free choice. After profiling the workloads, it took minutes for Cazena to deliver Worthington's new target environment, an Instant Cloud Data Lake on AWS, completely secured and production-ready. Cazena's built-in tools and hybrid gateways made it easy to connect their new Cloud Data Lake to their data centers. The next day, the team was able to connect analytics tools. Over the next few weeks, the team migrated their data, workloads, and applications.

Cazena's software, automation and AWS expertise ensured a smooth, risk-free migration. After months of trying, Worthington's new Cloud Data Lake was available instantly and all workloads migrated in a matter of weeks. Now, the Worthington Data Lake requires no operational resources, and has reduced TCO by six figures.

Discover the Instant Cloud Data Lake: Cazena.com