MACTORES

Aedeon Data Lake:
Empower everyone

How Mactores' outcome-driven framework
ensures that your critical business needs are met

Solving core business problems without a modern analytics platform isn't easy

You already know that your data has tremendous business value. It can be the foundation for solving important business problems and improving business operations. And it can put you leaps ahead of your competition by supporting groundbreaking, disruptive innovations by leveraging real-time, modern solutions like AI/ML, analytics, and data exploration.

But before your data can yield insights by taking advantage of advanced analytics techniques, it must be captured, ingested, organized, and processed. Transforming your data into a usable format takes substantial cost, time, specialized expertise, and resources. Companies that adopt a data lake using conventional approaches can face months or even years of work to get their data production ready, stifling the very advantages that advanced analytics offers.
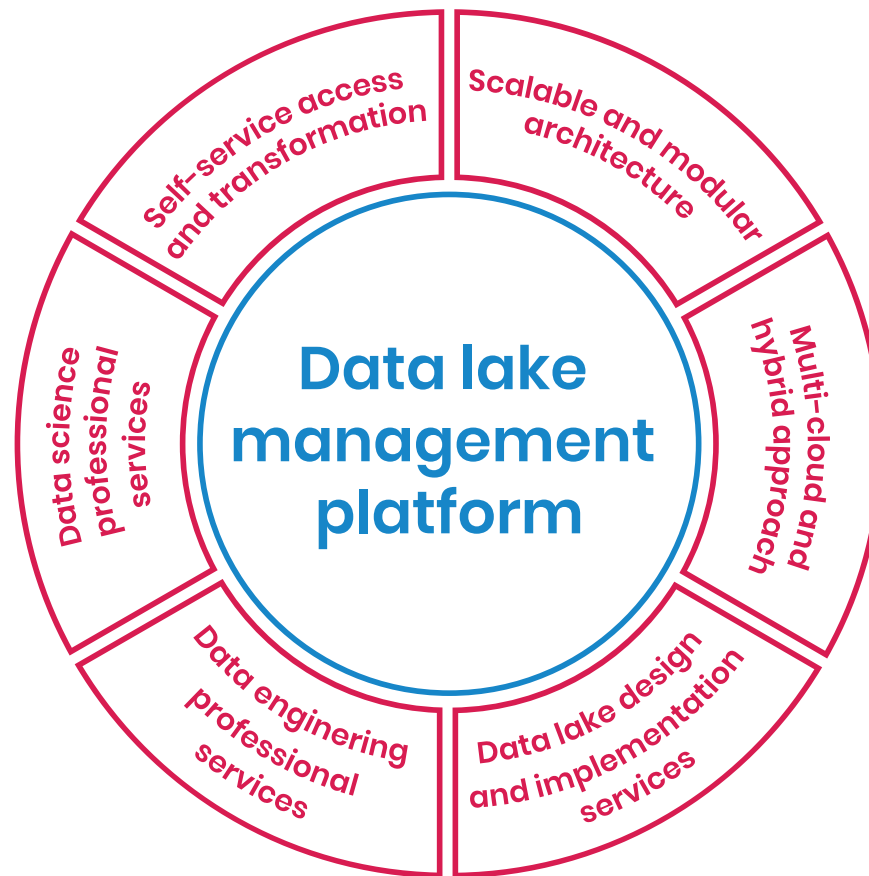
The right solution needs to **enable, govern, and engage** your data so it can be put to use quickly, securely, and efficiently. Armed with production-ready data, your entire enterprise can make informed business decisions, improve agility, and drive business success.

Analytics: Empowering your enterprise's competitive advantage

Mactores Aedeon Data Lake changes everything by making it possible to bring a production-ready data lake to market in weeks – not months or years.

Mactores' team of data science and engineering experts customizes Aedeon Data Lake for you, based on your specific needs, using migration accelerators. We take a holistic approach, keeping your organizational goals in mind while factoring in your business and technical requirements.

Scalable, secure, and resilient, Aedeon Data Lake gives you the latest tools and techniques for modern data lake implementations, along with the deep experience of our strategic and execution consulting services teams. Our goal – and our focus – is to meet your use case requirements quickly and cost-effectively, delivering the business and technical benefits that Aedeon Data Lake offers.
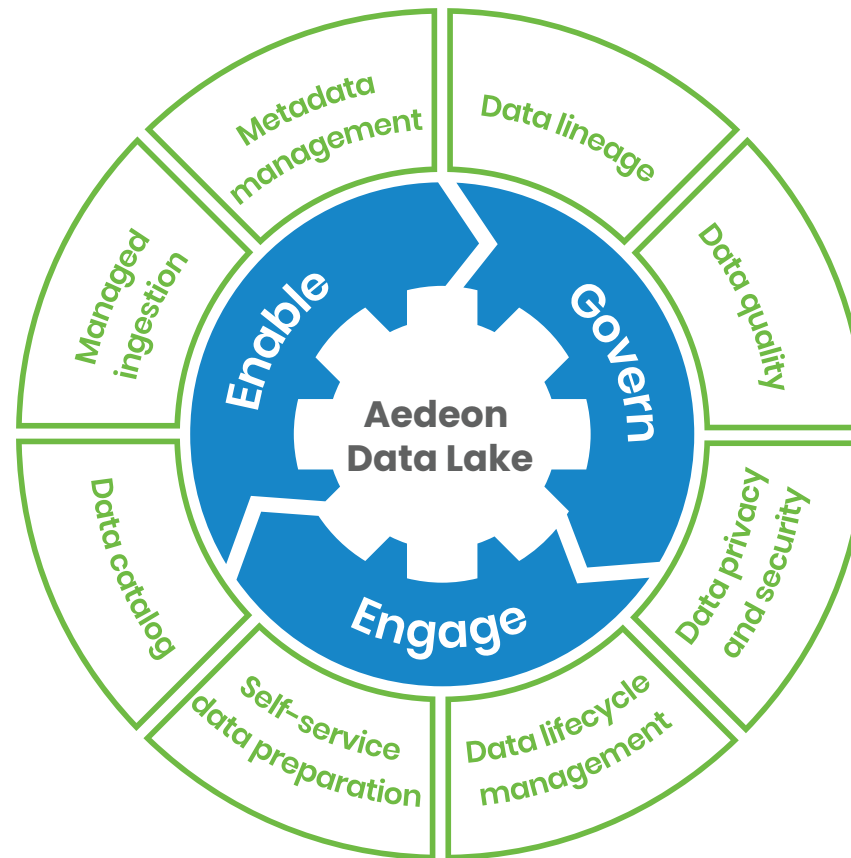
Data lake management platform

- Self-service access and transformation
- Scalable and modular architecture
- Multi-cloud and hybrid approach
- Data lake design and implementation services
- Data enginering professional services
- Data science professional services

Building an actionable, self-service data lake platform

Imagine making your data securely accessible to everyone in your organization – not only data scientists and data engineers – and supporting better decision making by delivering actionable insights. Aedeon Data Lake makes it easy for everyone to ask questions, develop new ideas, and set actionable goals. And it's simple to use, agile, scalable, and secure.

The Mactores team develops optimized analytics solutions based on the amount of data involved and how quickly it needs to be analyzed, balanced with cost considerations. Aedeon Data Lake uses visualization and data exploration to make it easy for users to see, interact with, and put the power of your organization's data to work to achieve its goals.
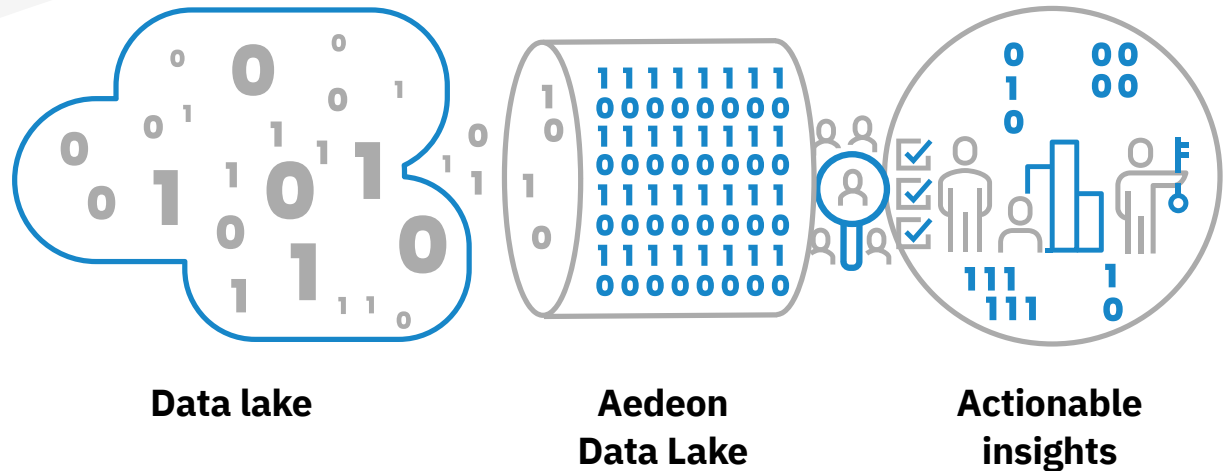
Our holistic approach is executed in three phases: **Enable, Govern, and Engage.**

Enable: Ingestion and data pipeline development made easy

Aedeon Data Lake overcomes scalability issues involved with data ingestion, data pipelines, and the analytics layer. The solution can ingest data from various sources, easily handle high-velocity ingestion, and process massive volumes of data. This lets you unlock the value of your raw and processed data by using it to model use cases and increase operational efficiencies.

With Aedeon Data Lake's effective metadata management tools – combined with Mactores' professional services – you can count on fast, accurate context tagging and data and business cataloging.

Data lake

Aedeon Data Lake

Actionable insights

Govern: Ensuring data lineage, quality, data governance, and lifecycle management

Sensitive data in your data lake needs to be secure and in compliance with regulatory requirements. It also needs to be governed if it is to be both useful and trusted. The first step in the governance process is establishing your data lineage to improve visibility, reliability, and quality and to reduce your time to gain insights.

Aedeon Data Lake lineage includes the full context of your data, including the data source, the methods used to build and aggregate data sets, and any changes made over its existence. Mactores' process includes verifying data quality in terms of accuracy, relevancy, completeness, and timeliness.

During this process, the Mactores professional services team works with you to establish the policies and parameters that will govern your data lake, puts the necessary tools in place, and executes the implementation of a sound governance framework combined with strong security safeguards.

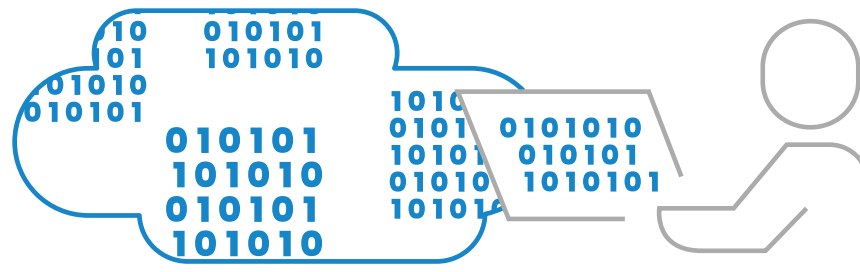**Data lineage, quality, governance, lifecycle management**

Engage: Data cataloging and self-service data preparation

The most effective approach to fostering a data-driven business is to make self-service data discovery and preparation easy and accessible. That ease of use requires a data catalog – an inventory of metadata that describes your data's health, accessibility, and location.

Once complete, your data catalog helps guide users to the data they need, describing what the data represents and how it can be used. Aedeon Data Lake presents your data in user-friendly visualization tools such as Amazon

QuickSight, Tableau, Apache Superset, and other leading visual analytics software.

The result? Simple, comprehensive self-service access that lets anyone in your organization gain deeper insights, better understand customer experiences, and develop new revenue streams.

Mactores Migration Accelerators

Aedeon Data Lake is a production-ready, fully managed data analytics platform that eliminates the need to code. By working with Mactores, you can remove the barriers that typically slow down data teams while enabling DataOps for analytics teams with zero risk, cost, or time wasted by working in traditional development environments.

Mactores Migration Accelerators
For today's leading AWS platforms: Speed your time to market by providing the resources and technologies you need to leverage your data lake and solve core business problems.
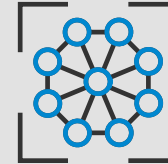
Mactores ETL Migration Accelerator
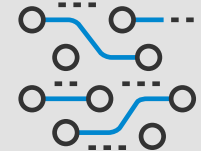
For Amazon EMR, AWS Glue, and Apache Spark

Mactores Data Warehouse Migration Accelerator

For Amazon Redshift and Apache Hive

Mactores Hadoop Migration Accelerator

For Amazon EMR, Apache HBase, and Apache Spark

Mactores Streaming Migration Accelerator

For Amazon MSK and Amazon Kinesis

aws PARTNER Advanced Tier Services

aws PARTNER Data & Analytics Services Competency

aws PARTNER ML Services Competency

aws PARTNER DevOps Services Competency

aws PARTNER Migration Services Competency

aws PARTNER Amazon EMR Delivery

aws PARTNER Amazon Redshift Delivery

aws PARTNER Amazon RDS Delivery

aws PARTNER AWS Database Migration Service Delivery

aws PARTNER Immersion Day

A proven track record

Mactores has the expertise, experience, and proven track record to help you overcome the obstacles you face with migration or modernization. Aedeon Data Lake gives you the automated tools that enable faster time to market, optimize your total cost ownership, solve business problems, and realize your organizational objectives.

Ready to learn more about Aedeon Data Lake?

[Let's talk]

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