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Solution Brief Aedeon on AWS

Aedeon® Data Lake:
Think big, invest less, move fast

Aedeon® Data Lake platform is integrated with AWS Analytics Services customized with Mactores™ professional services for faster time to market

Making data accessible is challenging

Most business leaders recognize that their enterprise's immense amount of data is incredibly valuable. But it isn't easy to transform this data so it can be harnessed to solve business problems, improve operations, and drive competitive advantage by exposing disruptive opportunities. It takes time, money, and highly specialized expertise and resources to capture, ingest, organize, and process all that data if it's going to be usable for today's advanced analytics techniques. It takes months or even years for some enterprises to get data production ready.
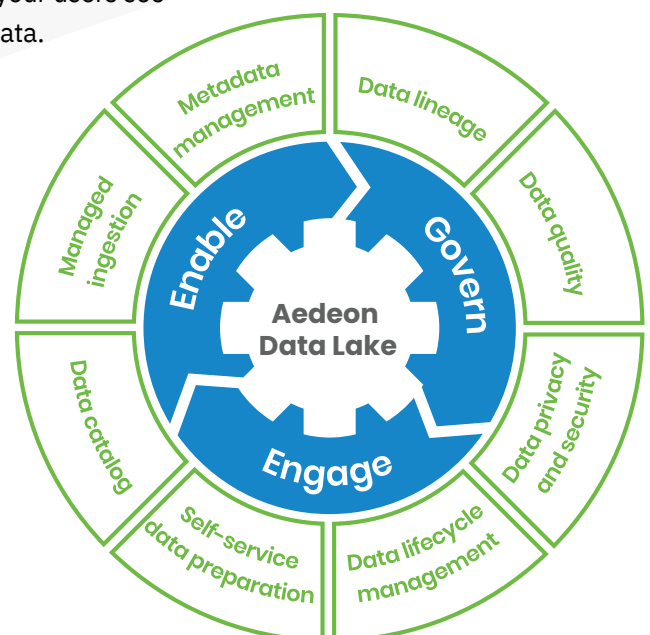
Empowering your enterprise with advanced analytics, real-time AI/ML, and data exploration to support data-driven decisions requires a fast, secure, and efficient way to enable, govern, and engage your data.

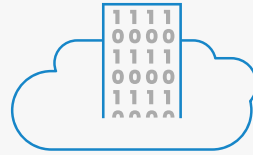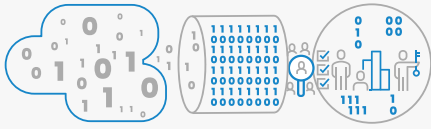## Self-service data lake platform delivers actionable insights

Mactores created Aedeon Data Lake to make your data accessible to everyone in your organization so they can make better decisions based on actionable insights. The platform makes it easy to ask questions and develop new ideas using a simple, agile, scalable, and secure platform. Aedeon Data Lake provides the power of visualization and data exploration tools that simplify how your users see and interact with your data.

Enable, govern, and engage: proven processes plus domain expertise

Mactores develops optimized Aedeon Data Lake analytics solutions that balance cost considerations against the amount and type of data involved and how quickly it needs to be analyzed. Aedeon Data Lake is a production-ready, fully managed data analytics platform that eliminates the need to code.

Aedeon Data Lake platform stands on three pillars:

Enable

Ingestion and data pipeline

Scalability issues with data ingestion, data pipelines, and the analytics layer – on any data platform – are eliminated with Aedeon Data Lake. The solution ingests data from multiple sources, delivers high-velocity ingestion, and processes massive volumes of data. The solution also includes effective metadata tools that, when combined with Mactores' professional services, ensure fast and accurate context tagging and cataloging.

Govern

Data lineage, quality, data governance, and lifecycle management

Mactores starts the governance process by establishing your data lineage, identifying the full context of your data, including its source, how the data sets were built and aggregated, and any changes made to it over time. As a result, your data is verified for quality relative to accuracy, relevancy, completeness, and timeliness. Mactores' professional services teams work with you to set the policies and parameters that govern your data and deploy the tools you need for a sound governance framework with strong security safeguards.

Engage

Data cataloging and self-service preparation

A catalog inventory of metadata describing your data's health, accessibility, and location is essential for making it available to and usable by everyone in your organization. A well-built catalog guides users to the data they need and describes what it represents and how it can be used. Aedeon Data Lake displays your data catalog in a user-friendly UI using Amazon QuickSight, Tableau, Apache Superset, and other leading visual analytics software.
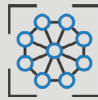
Mactores™ Migration Accelerators

Mactores ETL Migration Accelerator

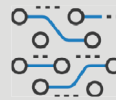For Amazon EMR, AWS Glue, and Apache Spark

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

Results: Faster time to insights redusing migration risks

Aedeon® Data Lake is a production-ready, fully managed data analytics platform that eliminates the need to code. By working with Mactores, you:

- Remove the barriers that typically slow down your data teams

- Enable DataOps for analytics teams with zero risk, cost, or time wasted by working in traditional environments.

Let's talk

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