

Data lakehouses combine the best of both worlds the massive scalability of a data lake, with the structured, transactional power of a data warehouse.



This means all your data can coexist, be properly governed, and easily accessed for smarter insights. Here's how a data lakehouse gives you the upper hand in the Al era.

A SINGLE SOURCE **OF TRUTH**

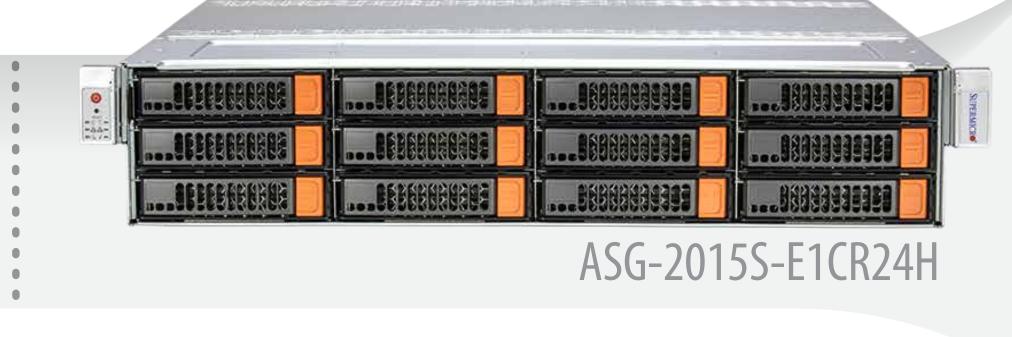
A data lakehouse stores data in any format—structured, unstructured, or semi-structured—at a low cost. The data can then be accessed for AI and real-time analytics. The shared repository reduces data duplication and streamlines management.

81% of enterprises now use data lakehouses to support Al models and applications.¹

FLEXIBLE ANALYTICS

Data lakehouses support all kinds of analytics, ranging from traditional business intelligence (BI) to more advanced machine learning (ML) and next-gen Al—without sacrificing performance or flexibility.

Data lakehouses enable faster queries for predictive, descriptive, and generative Al.



ROBUST DATA GOVERNANCE

Data lakehouses bring warehouse-style governance to your raw data. Features like schema-on-read enforcement, data cleansing, and auditing ensure data integrity—and facilitate compliance.

Data lakehouses with built-in governance models can reduce compliance effort by 30-50%

SCALABILITY FOR NEXT-GEN AI

Data lakehouses can store huge datasets without constant expansions or migrations. Plus, compute and storage layers scale independently, so the infrastructure scales smoothly alongside business needs.

Modern data lakehouses use tiered storage with optimized compute layers for AI/ML, analytics, and enterprise applications.



By consolidating storage into one platform and using low-cost object storage for large data volumes, data lakehouses reduce

56% of organizations cut their data warehouse costs in half by moving to a data lakehouse.³

redundancy, cut costs, and improve agility.

FUTURE-PROOF YOUR DATA LAKEHOUSE WITH Supermicro servers with AMD EPYC[™] processors deliver both high performance and high scalability, so

your data lakehouse can evolve with data growth and changing business demands.

Optimized Storage Supermicro's Petascale all-flash servers

provide high-density NVMe storage to speed analytics and AI/ML requests.

Supermicro servers with 5th Gen AMD EPYC™ processors ensure high-speed data access for

High-Performance Computing

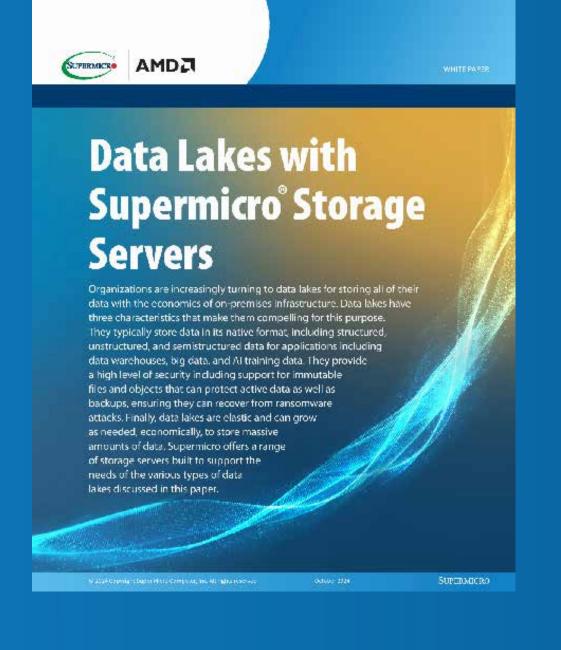
faster processing and low latency. **Energy Efficiency:**

Modular Scalability

Select from 1U, 2U, multi-node, and blade servers, all compatible with 5th Gen AMD EPYC[™] processors, for agility and cost efficiency.

processors speed time to insights while minimizing energy consumption.

Supermicro servers with AMD EPYC™



ARE YOU READY TO GET STARTED? Discover how Supermicro storage servers with the latest AMD EPYC™

processors can help you stay ahead. Learn More

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