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nabu™

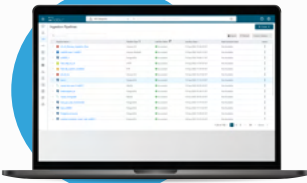# Intelligent Data Orchestration Platform for a Multi-Hybrid Cloud Future.

Modak Nabu™ is a cloud-neutral, built-from-the-ground-up modern data platform that enables enterprises to automate data ingestion, profiling and curation processes at a petabyte-scale.

Data and analytics are driving crucial business decisions and processes as enterprises shift to a digital-first world. The availability of trustworthy and contextual data is one of the primary obstacles to the success of AI-driven initiatives. Gartner, a major IT advisory firm, recommends that enterprises should use data fabric and data mesh architectures to realize their vision of a digital-first organization.

Modak Nabu™ creates a Data Fabric of heterogeneous datasets to populate a Data Lake, allowing the creation of a Data Domain product as a Data Mesh, serving multiple stakeholders and use cases.
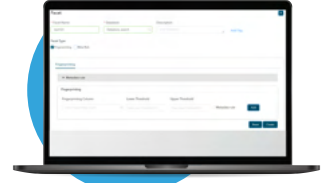
Automated Data Ingestion

Using metadata driven approach, automated ingestion pipelines are run with a Low Code / Node code approach for the industry standard tools to ingest the data into Modern Data Platform.
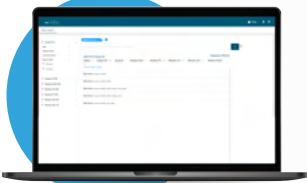
Data Profiling

Automated profiling helps to quickly assess data quality and evaluate the suitability of using the data for projects.

Data Tagging and Fingerprinting

Automate learning about tagging columns of data using proprietary, machine-learning based data fingerprinting technology to save time-intensive manual effort. The tagging will also helps the enterprise provide the business context.
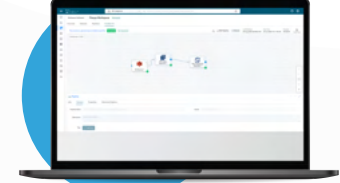
Active Metadata Catalogue

Rich metadata cataloque that includes technical, operational, business, and social metadata enabling easier access for users

Workspaces

Collaborative environment for planning, executing, and monitoring data curation pipelines using an intuitive drag-and-drop interface.

FileOps

Intuitive drag-and-drop approach to run pipelines for some commonly observed file operations.
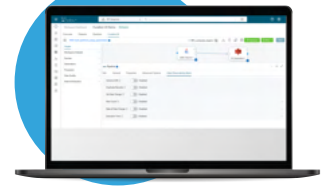
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Data Quality

Data quality rules can be embedded in curation pipelines, improving trust and adoption of data products.

Search and Data Exploration

Users can search for data, understand profile of a table, and discover relationships through knowledge graph.

Data Observability

Configurable data observability alerts provide actionable information about health of data to meet SLAs.

Proven Time to Value @ Scale

10x Reduction to Deployment
5PB Data Lake
2000+ Data Sources
500k+ Data Pipelines created

04x Reduction in Time
8 weeks to create 1100 Data Pipelines
Enterprise Data Fabric
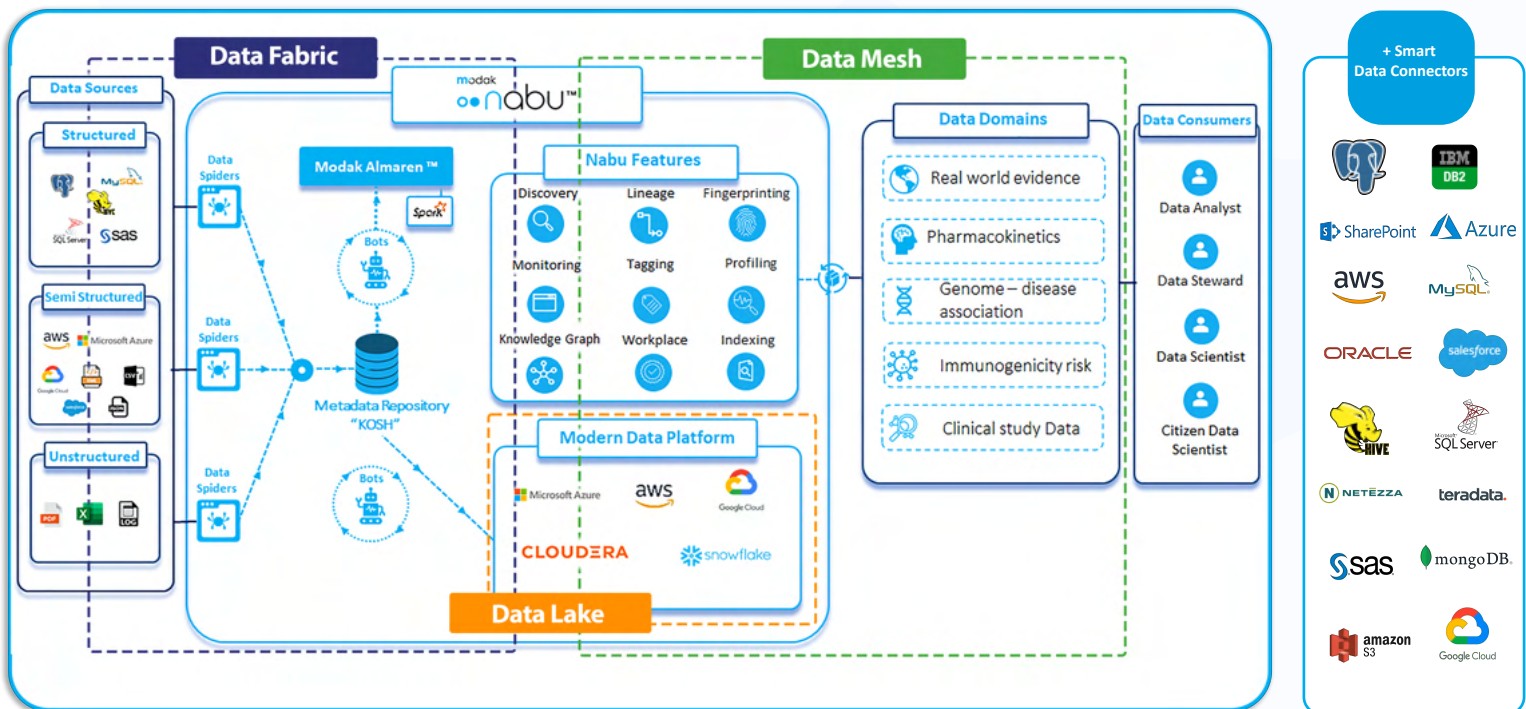Interoperability to US FHIR standards

40% Reduction in Costs
12 weeks to build Data Platform
150+ Data Sources

Modak Nabu™ Architecture

Integrated data engineering platform combining data discovery, ingestion, preparation, meta-data repository, unification and profiling.

About Modak

Modak is a solutions company that enables enterprises to manage and utilize their data landscape effectively. We provide technology, cloud, and vendor-agnostic software and services to accelerate data migration initiatives. Using machine learning (ML) techniques to transform how structured and unstructured data is prepared, consumed, and shared.

Modak's portfolio of Data Engineering studios provides best--in-class delivery services, managed data operations, enterprise data lake, data mesh, augmented data preparation, data quality, and governed data lake solutions.

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