Astera DW Builder

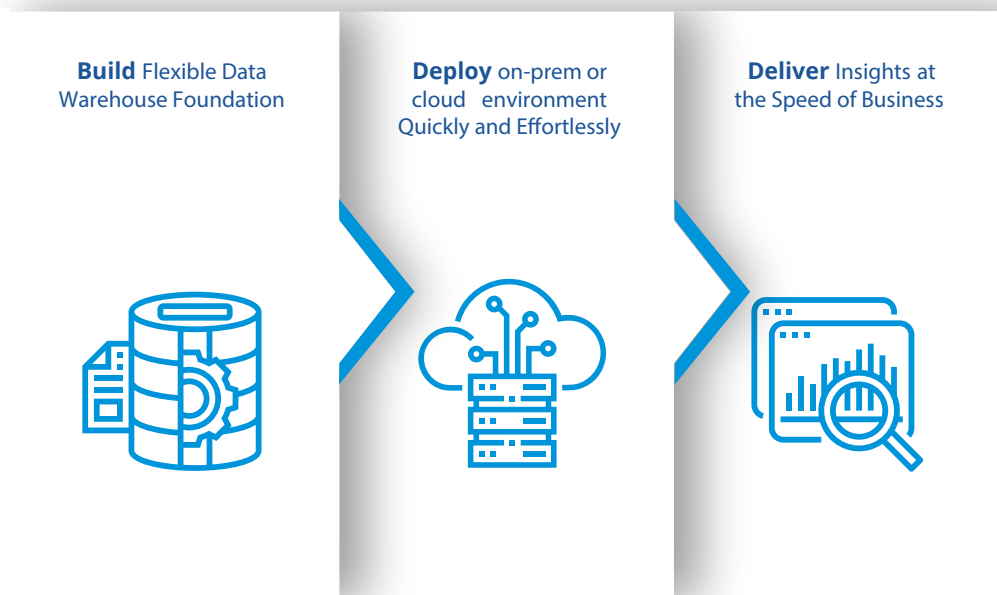Build your Data Warehouse Sooner and Deliver Trusted Insights Faster

Data Sheet

A MODERN METADATA-DRIVEN APPROACH TO DATA WAREHOUSING

Data warehouses serve as information powerhouses that generate meaningful insights to power up business initiatives, deliver exceptional customer experience, and open new revenue streams. But to stay abreast with the shifting market trends and understand consumer behavior more intimately, frontline managers and business users demand information agility to make game-changing decisions.

Astera DW Builder offers this much-needed agility through its data warehouse automation capabilities, enabling businesses to get from data to value in record time. IT teams are able to construct a responsive data warehouse framework that is designed to fulfill business reporting and analytics needs in a matter of hours and days. It supports a metadata-driven architecture that makes it easy to adapt to new or changing business requirements by rapidly delivering data model changes to your production data warehouse.

Essentially, the platform is all about speeding up and automating the design, development, and maintenance of your on-prem and cloud data warehouse projects. Developers get the comfort of working at a logical level completely, allowing them to focus on solving business problems instead of manual repetitive tasks. With our metadata-driven solution, data warehouse teams enjoy faster project delivery, futureproof the deployment, and satisfy data consumers by delivering business insights sooner.

Build Flexible Data Warehouse Foundation

Deploy on-prem or cloud environment Quickly and Effortlessly

Deliver Insights at the Speed of Business

DW Builder

Astera
Enabling Data-Driven Innovation

KEY FEATURES

Connectivity to 40+ Sources and Targets

Connect to a wide array of databases, web applications, and cloud sources, such as Amazon Redshift, Snowflake, Azure, SAP HANA, MariaDB, Oracle, Salesforce, SQL Server, PostgreSQL, IBM DB2, Teradata, and more. Simply configure these out-of-the-box connectors to start building your dimensional data models and deploy them to an on-prem, cloud, or hybrid data warehouse infrastructure.

Automate Data Model Design

Reverse engineer the schema and entity relationship from a source database directly or import existing erwin models to kickstart the data modeling process. Alternatively, use the visual drag-and-drop interface to build your model from the ground up within hours.

Build and Deploy Dimensional Models

Build your dimensional model from zero or derive it from your existing database. Modify and enrich it by specifying indexing options, adding/removing fields, and managing entity relationships. Forward engineer your model to a physical database to complete the sketch of your data warehouse architecture.

Astera Data Model

Verify and deploy the finalized dimensional model as an Astera Data Model, which is a product native database provider. It makes your dimensional models available for populating your data warehouse or for use as an OData service for data visualization tools.

Deep Support for Slowly Changing Dimensions

Define how your data warehouse handles data corrections, updates, and history by assigning SCD Type 1,2,3 and 6 to your dimension fields. Set provisions for early arriving facts and late-arriving dimensions for special cases.

Zero-Code ETL/ELT

Load dimensions and facts with ETL flows to populate your data warehouse using Astera's signature no-code functionality. Use the ELT mode to pushdown processing to the destination to enhance query performance radically. Intelligent mapping capabilities allow

you to easily connect to one or multiple objects, cutting down manual effort to zero while providing complete control to IT users.

Astera Query Language

Use a simplified version of SQL to write queries for loading data into your facts and dimensions. Astera Query Language uses the syntax that works similar to SQL SELECT statement, allowing you to quickly identify and join columns based on the root entity.

Rich Set of Built-in Transformations

Use over 500+ transformations to clean, massage, aggregate, and apply custom business rules to standardize and improve the quality of your data before it is loaded in the data warehouse.

Auto-Generate Platform Native Code

Select your destination database or data warehouse without worrying about rewriting your ETL/ELT code. The product automatically generates target platform native code, whether it is Snowflake, Oracle, Amazon, Azure, Teradata, or any other leading provider.

The Centerprise Database Agent

Establish secure connectivity between on-premise and cloud machines with our dedicated database agent to ensure quick and seamless data movement.
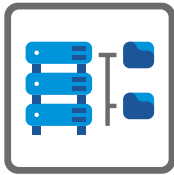
Job Scheduling and Monitoring

Use time-based and event-based triggers to specify when and how frequently the data warehouse is updated with new data using the built-in Job Scheduler. Decide between full load and incremental load to set how your data warehouse refreshed and updated with incoming data. Monitor the progress of ongoing and completed jobs in Job Monitor and inspect errors that occurred in terminated jobs.

OData Service Module

Make your deployed dimensional model (also called Astera Data Model) available for querying and consumption in industry-leading reporting visualization tools, such as Domo, Power BI, QlikView, through the built-in OData module.
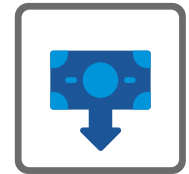
ASTERA DW BUILDER ADVANTAGE

Experience agile data warehousing with a flexible metadata-driven architecture.

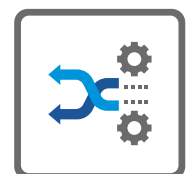Work in shorter iterations to kick up the success rate of your data warehouse.

Ensure faster time-to-market within days and weeks instead of months.

Reduce total cost of ownership with a unified, end-to-end platform.

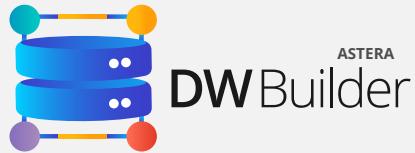Execute the high-volume loads and quickly deliver value with high-performance parallel processing engine.

Be receptive to internal and external business changes with easy change propagation to your data warehouse.

Work with smaller IT teams to reduce hand-offs without compromising on the functionality or quality of the data warehouse.

Construct a responsive BI & analytics architecture for business excellence.

ASTERA
DW Builder

Build the Perfect Foundation for Agile Data Warehousing & Analytics at Scale

Request a Personalized Demo

"About **Astera Software**

Astera Software develops powerful, intuitive data integration, extraction, and warehousing solutions focused on eliminating the complexities in data processes. Through continuous innovation, Astera provides products and services that are consistently acclaimed for superior usability, intuitive interface, and high performance. This ensures rapid ROI and scalability to meet the most demanding data management tasks, as well as flexibility for infinite extensibility and deployment possibilities. Since 2009, Astera's solutions have been trusted by many government departments and Fortune 500 companies, including Wells Fargo, USDA, US Dept. of VA, Xerox, HP, Novartis, Raymond James, and more. "

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