

Advana: No-Code Enterprise Data and Analytics



A Modern Enterprise Platform

Advana is a no-code, cloud-native software platform designed to empower both highly skilled and citizen data engineers and data scientists to develop and deploy solutions, faster and cheaper.

Focus is on Value Creation

Advana enables you to focus on solving business problems and delivering business value, abstracting the complexity, compared to highly fragmented conventional platforms that require a high degree of technology focus and deep coding skills.

Seamless Collaboration

Advana supports the entire data and analytics lifecycle with an intuitive web interface. With Advana, data engineers and data scientists in the business functions and IT can collaborate seamlessly to develop high-value, feature-rich data and analytics solutions.

Harmonization, Governance and Lineage

Advana's data engineering capabilities along with version control and integrated metadata makes enterprise level data harmonization, data governance and data lineage a reality for satisfying internal and external regulatory and compliance requirements.

Data Lifecycle Support

Key data engineering capabilities of the platform include Data Ingestion, Data Integration, Data Catalog and Reusable Data Quality, and Business Rules. Reliable data preparation for analytics has never been so easy. Data Science capabilities of Advana consist of Machine Learning.

Choice of Compute Technologies

Advana decouples your solutions from compute layer and allows you to choose from a variety of 3rd party and open-source compute technologies along with their libraries. Available compute technologies interfaces include in-memory Spark and multiple flavors of in-database SQL. Another soon-to-be released option is Python.

Future-Proof Solutions with No Vendor Lock-In

Data engineers can develop and run their solutions simultaneously on multiple compute technologies as well as migrate their solutions from one technology to another with ease. This unique, patented multi-compute-technology design of Advana enables customers to be free from vendor lock-in and future-proof their solutions.

Benefits

- Modernize and your legacy data analytics solutions
- Deliver business value faster and cheaper leveraging no-code paradigm
- Retain talent with domain expertise while compute technology choices evolve
- Collaborate across business functions and IT seamlessly in a common user interface
- Protect your solutions from compute technology version upgrades
- Enable solution development in a new technologies without acquiring new coding skills
- Port your solutions to new technologies effortlessly as and when they become available
- Deploy solutions across a verity of available compute technologies simultaneously
- Toggle your solutions from one compute technology to another with few clicks

Easy Solution Upgrades

You no longer need to worry about the impact to your solutions due to compute technology upgrades. Advana can automatically upgrade your data solutions to a new version of an underlying technology with a click of a button.

Unparalleled Scalability

The decoupled-solutions-from-compute and multi-compute-technology feature combination offers unparalleled horizontal scalability across compute technologies and vertical scalability within a chosen technology for deploying data and analytics solutions.

On-Prem and Cloud Deployment

Advana can be deployed on-premises, in the Cloud or with Hybrid Architecture. Cloud deployment of Advana is currently available on Microsoft Azure, Amazon AWS and Google GCP. Advana can be deployed using either SaaS or traditional software subscription models.

Your Choice for Enterprise Data and Analytics

Advana is the only enterprise data and analytics software in the market, that is multi-compute-technology enabled and has the ability to reduce your total cost of solution ownership to a mere fraction of today's costs.

Advana Enterprise Editions

Advana Data Engineering (DE) is offered in two editions, Standard and Premium to meet your unique development and deployment needs. Advana Data Science is offered as one Machine Learning edition. (DS-ML). 3rd party or open-source compute technologies are not included with the enterprise editions.

DE Standard Edition

Standard edition includes Data Ingestion, Data Transformation, Orchestration and Administration functionalities. This edition comes with multi-compute technology capability and a choice of one compute technology interface. Additional compute technology interfaces can be purchased separately.

DE Premium Edition

In addition to the capabilities of the standard edition, the premium edition includes Data Catalog, Business Rules and Data Quality. This edition comes with multi-compute technology capability and a choice of one compute technology interface. Additional compute technology interfaces can be purchased separately.

DS Machine Learning Edition

Machine Learning provides the users functionality to train and score a comprehensive collection of machine learning algorithms. The available features include feature creation, feature extraction, feature transformation, unsupervised algorithms such as clustering, supervised algorithms such as regression, classification and recommender systems.

Compare the Advana Enterprise Data Engineering editions and select the one that's right for you.

Capability	DE Standard	DE Premium
Integrated Metadata	•	•
Administration & Security	•	•
Multi-Compute-Technology	•	•
Version Control	•	•
Data Ingestion	•	•
Data Integration	•	•
Orchestration	•	•
Data Catalog		•
Business Rules		•
Data Quality		•

Data Ingestion

Advana can connect to and ingest data from Cloud and traditional data sources. Popular forms include SQL Databases, NO-SQL Databases, HDFS, FTP, JSON, XML, Cloud Storage, and streaming data such as Queues, Web Logs and IOT.

Data Transformation

Advana can perform an exhaustive list of data transformation operations such as Filter, Sort, CDC, Joins, and Transpose. Users can also embed Business Rules and Data Quality routines in the data flows.

Data Catalog

Data catalog is a centralized repository of business definitions of dimensions, measures, entities and metrics. There is also an audit trail to track changes made to definitions.

Data Quality

Advana's Data Quality studio enables the user to stipulate data quality specifications. These data quality stipulations can be in the form of standardizations and validations on different data types. Also available is the feature to capture the statistics about failed data quality rules during run time.

Business Rules

Advana's Business Rules Studio provides business users the functionality to define business rules and manage them in a centralized manner. Users can stipulate complex set of conditions and actions with the feature to provide exhaustive list of functions.

You can combine rules to create complex toolsets. Reusable rules are created logically and managed centrally and can be physicalized and used across a data flows, pipelines and projects.

Orchestration

Orchestration Studio provides the functionality to order and schedule the flow of transformation and analytics data flows. This studio helps the users to orchestrate the data flows and incorporate multiple flows into a class which can be scheduled to run at pre-determined intervals.

Administration & Security

Advana's Admin Studio enables the administrators to create and monitor users, user groups and access permissions. Administrators can also configure source and target data sources, declare the compute environments, manage the data flows created and configure authentication protocols.

About Kavi Global

Headquartered in Barrington IL, US, Kavi Global specializes in Data and Analytics Services Software and Solutions. They have a diverse set of clients in Healthcare, Pharmaceutical, Commercial, Industrial, Financial and Transportation verticals. Kavi Global has been recognized by Gartner in their Market Guides for Data and Analytics for 3 years running.

