ChainSys

dataZense™

Frequently Asked

Questions

WHO WE ARE

About ChainSys

A Data Management innovator since 1998, best known for its Smart Data Platform for data management, ChainSys is a leader in the data migration, integration, data maintenance, MDM, data quality, data cataloging, machine learning, AI, analytics, visualizations, audits, compliance and RPA based autonomous testing & low-code web/mobile application building areas.

ChainSys has successfully deployed its Smart Data Platform in several Fortune 500 companies worldwide, and continues to grow and innovate rapidly. Headquartered in Lansing, MI, and spread across 5 continents, ChainSys prides itself on its Product, Process & People which constantly push the envelope on innovation & creativity.

Compiled by

Krishnan Ganesan

Product Owner & Head of Sales

Krishnan is a passionate leader and has creatively solutioned multiple 'Smart Data' projects for Organizations around the globe. Nearing a decade in ChainSys, Krishnan is the head of sales for the west coast, a certified PMP & SAFe practitioner, and a respected subject matter expert in the ERP space.

About the Smart Data Platform

Managing data doesn't have to be hard. ChainSys' Smart Data Platform streamlines data migration, setup migration, integration, data quality, archival, master data management, RObotic process automation & application building - with a low-code approach.

The Smart Data Platform's differentiator lies in its 2000+ preconfigured adapters. The adapters provide an 80% baseline for all data management activities, and help save more than 50% in time & cost.

Products in the Smart Data Platform

dataZap™

dataZap is used for data,setup & master data migrations, mass data loads, reconciliations, integrations, big data ingestion & test data preparation.

dataZen™

dataZen aids in master data management, governance and on-going data quality needs.

dataZense™

dataZense is used for data visualization, reporting, analytics & cataloguing.

Data Assessment Questionnaire

Interested in leveraging the smart data platform? Ask for our data assessment questionnaire. Use it as a checklist to gauge where you stand in terms of data proficiency. Come to us to help you get to your best.

Table of Contents

dataZense™

Data Analytics

Q **Does dataZense accommodate unique business rules for reporting, analytics or cataloging?**

Yes. For any standard template, additional business rules are recommended and configurable with no coding.

Q **Can dataZense provide analytics for data across multiple applications?**

Yes. dataZense has 3000+ pre-configured adapters that enable connections to a wide range of applications. The analytics engine can parse through data across any number of applications, and report on it.

Q **Can dataZense handle extraction of data from custom tables/fields/screens?**

Yes. dataZense templates can manage these custom entities.

Q **How many different dashboard charts are available to display analytics results?**

dataZense offers 25+ Chart Types including Hierarchy, Pivot Tables, Heatmaps, Geo Maps, Gantt Chart and Slicers.Chart Sub types include Regular bar, Block Matrix, Floating Bar and Multi KPI Bar

Q **How many different views are available for 1 chart type?**

Chart views include, Horizontal Chart, Drilldown, Enable Filter prompt, Enable Log axis, Stacked, Story board, Double Y axis, show gradient, Bounce, Data markers, Pagination, enable KPI selector and Enable chart legend

Q **Can I build data cubes using dataZense?**

Yes. This is a standard feature. Analytics in the form of data cubes is available.

**Q** What are the components that make up the data analytics engine in datazense?

Datazense offers Data Profiling, Data Extraction, Transformation, Loading into Data Lake, Data Cleansing, for Data Analytics

Q How is AI & ML used in the analytics platform?

Artificial Intelligence and Machine Learning algorithms helps to achieve Descriptive, Predictive, and Prescriptive modelling and analytics.

Q Can I customize my own analytics dashboard?

Yes. a user can customize their dashboard. Dashboards can also be given pre-configured to user groups.
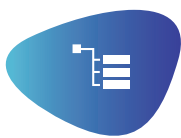
Data Catalog

Q What does the data catalog feature of datazense do?

The catalog is a feature of the datazense product, and is an umbrella term for multiple capabilities. The catalog enables the business users to understand what data exists, where it exists, and how it can be put to better use. Some of the critical features in the catalog include Profiling, probabilistic estimation, data registration, business glossary, data lineage, table relationships, data governance, data citizen, and more.

Q What are the features (at a high level) of the data catalog?

Datazense uses Data Profiling, Metadata management, Data Lineage, Data Virtualization, Business Glossaries and Data citizen features for the Data Catalog

Q Is data profiling a part of the catalog?

Yes. Data profiling is the first step to unearthing what's hidden in your data, and translating it into usable information

Q Is data indexing part of the catalog? What is data indexing?

Yes. Data indexing is part of the catalog. Indexing helps users search and retrieve data easily. Data can be indexed based on any pre-defined criteria that the business wishes to use.

Q Is AI used in the catalog process?

Yes. Artificial Intelligence helps Profile unknown applications, as part of the cataloging process.

Q **Can the catalog give data lineage information?**

Yes. The catalog provides information on where data was created, where it has moved, and how it has transformed in the form of a lineage chart.The catalog is a feature of the datazense product.

Q **How do profiling groups work in the data catalog?**

Profiling Groups helps to connect multiple profiles together

Q **Can data catalog identify the relationship between distinct data elements across distinct applications?**

Yes. Automated Relationship and Lineage builder helps build these relationships seamlessly.

Q **Once the catalog establishes a lineage/relationship, does it require user input?**

Yes. The data citizen can also approve or reject the false positives and false negatives on relationships, and lineages.Otherwise datazense can use the AI or prebuilt business rules engines to sort this out.

Q **What is the function of data registration?**

Registration of the Metadata attributions for each entity and attributes within an entity. It provides a layer of detail in addition to just metadata, thus making data easier for users to access & understand.

Q **Can dataZense build a business glossary of all available data?**

Yes. Business glossaries can be used by a business user to easily reach the Data or Metadata.

Q **Can an organization insert tags for data or business entities?**

Yes. Tags for all the Business entities and attributes are available

Q **Can dataZense use predictive analysis?**

Yes. Artificial Intelligence can be used for the Probable prediction for each attribute

Q **Which server is used for data indexing**

Catalog data are indexed in Solr

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Q **Can dataZense establish entity relationships?**

Yes. Automated ER Diagrams are created by dataZense to detail entity relationships across an enterprise.

Q **Does dataZense have a search capability where a user can search for data across multiple applications?**

Yes. Users can use the advanced search on the catalog for metadata or data

Data Security & Compliance

Q **Does dataZense provide an audit track of all changes made?**

Yes. dataZense keeps track of all changes made. A report can be easily downloaded for audit purposes. This falls directly into an Organization's GRC requirements.

Q **Does dataZense support single sign on?**

Yes. dataZense supports single sign on and is compatible with tools such as Active directory, Okta, and others.

Q **Can dataZense be used to identify PII data, for compliance purposes?**

Yes. dataZense can easily profile and identify what PII data exists, and where it exists across your enterprise

Q **Can dataZense protect sensitive information?**

Yes. Data masking & data encryption is available to protect sensitive information. Datazense also provides thorough governance and workflows to ensure data does not get into the wrong hands.

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Q **Is datazense certified?**

Yes. dataZense is SAP Certified, Oracle Certified, SFDC Approved, IBM Ready, and MSFT Ready

Q **Are there any data security features in place for data at rest/in motion?**

Yes. Data masking, data scrambling & data encryption is provided to ensure security at rest and in motion.
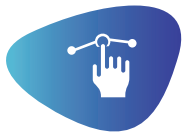
Usability/Ease of Use & Governance/Auditing

Q **Are there security features in place to make sure that proceeses are editable/executable only by specific users?**

Yes. An organization can assign users and responsibilities so only those with specific privileges can Create, Read, Update or Delete information within datazensese.

Q **How can a user view logs, audit trails and other salient information?**

A customizable user dashboard is available that can summarize all important information in a single screen. AI is built-in, which suggests appropriate actions to the user as well.

Q **Can I get notifications to my mobile phone or e-mail for any event?**

Yes. Email notifications can be sent to users or user groups, in a customized format, to notify users of pending actions or any changes made to data.

Q **Is dataZense mobile enabled?**

Yes. dataZense's mobile application provides a user with access to critical information such as pending actions, completed actions, error logs and audit trails.

Q **Is Role based access control available in datazense?**

Yes. Organizations are free to create any number of roles and responsibilities within datazense. They have the freedom to assign or restrict access for each role in datazense.

Q **Can I create a business workflow that employees can use to approve data creation (and other similar tasks)?**

Yes. dataZense can create a customized workflow, with multi-level approvals, across various users/user groups, and can intelligently work based on conditional logic. A workflow can be created without programming.

Q **Can dataZensese interface with other applications that are not part of Chainsys' smart data platform?**

Yes. Over 3000+ adapters enable integration to a number of cloud and on-premise applications. Some of the major applications include Oracle eBS, Oracle Cloud, SAP S/4HANA, SAP S/5HANA, Salesforce, MS Dynamics, Procore.

Q **Is the product User self service / no development, or does it require coding to use?**

No coding or development is required to use the tool. All front-end GUI screens are configurable for improved UX and extensibility.

Q **Can my analytics dashboard be accessed from anywhere?**

Yes. APIs allow access from any portal, apart from a mobile application which enables real time monitoring.

Q **Can datazense have my Organization's colors as the primary display colors?**

Yes. dataZense can be customized easily to comply with your organization's color and font schemes.

Q **Do I need any dataZense experts in my team to be able to use the product?**

No. The product is completely self-service. A short training should enable users to handle datazense on their own. Chainsys resources are optional.

Q **How easy is the product to use for end-users that will be using it regularly?**

dataZense has been designed with the end-user in mind and features human-based design concepts. The user's knowledge and a simple 1-2 week training program will ensure ease of use.

Q **How is AI & ML used in the analytics platform?**

datazense's design was based on a human-centric approach - giving precedence to HOW you want to use it, rather than dictating a user on how it should be used.

Q **How was dataZense designed?**

Yes. a user can customize their dashboard. Dashboards can also be given pre-configured to user groups.

Q **Will dataZense support multiple users to have access and use the product?**

Yes. dataZense can enable multiple users to work at the same time, performing discrete functions.

Q **Is effective management of the product available through an admin console?**

Yes, the administration module provides all necessary screens on the front-end GUI to manage the product. This includes User Access control, Instance management, Web services management, Role management and versioning system management. Further, administrative console windows allow viewing and diagnosis of the log and execution files.

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Licensing & Cost

Q **What are typical time and cost savings with dataZense?**

Due to the template-driven approach and the repeatable process, an Organization can typically achieve 25-30% time & cost savings in the VERY FIRST run. Progressively, dataZense's efficiency enables savings of upto 50%.

Q **How is pricing handled?**

In dataZense, you only pay for what you use. The 'pay as you use' model is flexible, and does not charge users for when dataZense isn't used. The model takes into consideration data volume and number of templates to determine price.

Q **What is the implementation cost - Product, Consulting, and Resources combined?**

A dataZense implementation cost is derived by factorization of data complexity, number of templates, delivery timeline and type of engagement.

Q **Is there a managed service option available? If yes, what is the cost structure?**

Yes, the Technical or Functional Application Management service models are available during and after the completion of any engagement. Typically an on-site/offshore model would be utilized to minimize cost and maximize support coverage.

Q **What are typical discounts available?**

We offer discounts for data volume and early adopters. In many cases, we also have industry-wise discounts for templates.

Q **What is the steady-state cost - Product Annual Maintenance, Support Resources, and Maintenance Upgrades etc.?**

In most cases, steady-state cost would consist of the deployed hardware/software and desired resource support cost. Other considerations include AM (which provides future product and maintenance updates at no cost). The internal support resource factorization is based on the number of users, templates and data volume.

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Deploying & Implementing dataZense Certifications

Q **How does the product leverage data interfacing capabilities e.g. APIs, BAPIs, Web services, etc.?**

We support all of the above data interface services. Integration can also be performed on multiple middleware platforms.

Q **How easy is the product to use for end-users that will be using it regularly?**

dataZense has been designed with the end-user in mind and features human-based design concepts. The user's knowledge and a simple 1-2 week training program will ensure ease of use.

Q **Do I need any dataZense experts in my team to be able to use the product?**

No. The product is completely self-service. A short training should enable users to handle dataZense on their own. Chainsys resources are optional.

Q **Which database does the dataZense 'datamart' use?**

The dataZense 'datamart' will preferably be on a Postgres or an Oracle database. Other options are also welcome.

Q **What are the Oracle applications supported?**

Oracle eBS 10.x to 12.x, Oracle Cloud ERP (all versions & modules), Siebel, PeopleSoft, JDEdwards, and others

Q **What are the SAP applications supported?**

SAP RX, SAP ECCX, SAPS/4HANA, Hybris, SuccessFactors, Ariba and other SAP acquisitions are supported

Q **Does dataZense require any installation? How soon after purchasing dataZense can I start using it?**

dataZense is completely cloud based and requires no installation. Usage can be immediate.

Q **Is there a managed service option available? If yes, what is the cost structure?**

Yes, the Technical or Functional Application Management service models are available during and after the completion of any engagement. Typically an on-site/offshore model would be utilized to minimize cost and maximize support coverage.

Q **Is dataZense certified?**

Yes. dataZense is SAP Certified, Oracle Certified, SFDC Approved, IBM Ready and MSFT Ready

Q **How big is the dataZense team at ChainSys?**

ChainSys currently has 300+ dataZense specialists working on the product.

Timeline & Performance

Q **How is performance optimized?**

Extracts and loads can be performed in parallel threads, which enhances performance. The product can easily scale up to accommodate additional capacity of processors and memory. This enables high performance migrations to be executed reliably.

Q **What are typical time and cost savings with dataZense?**

Due to the template-driven approach and the repeatable process, an Organization can typically achieve 25-30% time & cost savings in the VERY FIRST run. Progressively, dataZense's efficiency enables savings of upto 50%.

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Training, Adoption & Support

Q **Is effective management of the product available through an admin console?**

Yes, the administration module provides all necessary screens on the front-end GUI to manage the product. This includes User Access control, Instance management, Web services management, Role management and versioning system management. Further, administrative console windows allow viewing and diagnosis of the log and execution files.

Q **What skills do I need to use/support dataZense?**

While every support team's scope may vary, Chain-Sys recommends that typical users have an understanding of the functional data model of the objects in their ownership. ChainSys offers comprehensive training for all user roles. Training typically ranges from 1-2 weeks.

Q **What is the training requirement for teams that will be using dataZense?**

While every support team's scope may vary , Chain-Sys recommends that typical users have an understanding of the functional data model of the objects in their ownership. ChainSys offers comprehensive training for all user roles. Trainings typically range from 1-2 weeks.

Q **What is the level of product support available?**

Multiple support models exist to meet your specific needs. A 24x7 team can be available to administer and manage the product throughout any project or escalated support staff service requests. Additional premium support including on-site coordinators and additional offshore managers are available to support any engagement project phase.

Q **How often are product updates released?**

Product patches and updates are released every month and will include latest updates made by the ChainSys team and updates to the endpoint applications. Quarterly business reviews will be conducted with the customer tailored to meet their requirements.

Q **Apart from product support, what other support will I get from the ChainSys team?**

A dedicated account manager will be assigned to ensure that communication is constant and clear. The account manager works closely with a dedicated product team that works on the account.

Smart Data Platform™

Best Practices, Prerequisites & Challenge areas

Q **What is the best practice process that Chain-Sys provides for migrations/integrations/ data loads?**

The best practice flow is as follows: Extract -> Data Input (source datamart) -> Data Marting (target datamart) -> Transformation -> Pre-Validation -> Pre-Load Reconciliation -> DQM ->Loading -> Post Load Reconciliation -> Post Processing.

Q **What are possible challenge areas that an organization needs to be aware of?**

The broad challenge areas that are usually discussed are around: Repeatable process, Data volume, Data Quality, managing historical data, reconciliations, mappings and transformations. The ChainSys support team is available on hand 24/7 for assistance.

Q **How was datazense designed?**

dataZense design was based on a human-centric approach, with the end user in mind: giving precedence to HOW you want to use it, rather than dictating a user on how it should be used.

Q **Are there any data security features in place for data at rest/in motion?**

Yes. Data masking, data encryption is provided to ensure security.
Your data is never stored or viewed by ChainSys.

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Case Studies & Customers

Q **Can you provide industry-specific references for dataZense?**

Yes. Industry specific references across a wide spectrum are available upon request.

Q **How many companies have implemented or currently use dataZense?**

DataZense currently has completed over 500 deployments across the globe. DataZense has also been deployed by multiple Fortune 500 and Fortune 100 organizations.

Q **Which industries does dataZense cater to?**

DataZense has been deployed across multiple verticals including discrete manufacturing, process manufacturing, Pharmaceuticals, Engineering & Construction, e-Commerce, Retail, Oil & gas, Food & Beverages, FMCG, Universities & Colleges, among others.

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Endpoints supported by the Smart Data Platform

Oracle Sales Cloud, Oracle Marketing Cloud, Oracle Engagement Cloud, Oracle CRM On Demand, SAP C/4HANA, SAP S/4HANA, SAP BW, SAP Concur, SAP SuccessFactors, Salesforce, Microsoft Dynamics 365, Workday, Infor Cloud, Procore, Planview Enterprise One	**Cloud Applications**
Oracle E-Business Suite, Oracle ERP Cloud, Oracle JD Edwards, Oracle PeopleSoft, SAP S/4HANA, SAP ECC, IBM Maximo, Workday, Microsoft Dynamics, Microsoft Dynamics GP, Microsoft Dynamics Nav, Microsoft Dynamics Ax, Smart ERP, Infor, BaaN, Mapics, BPICS	**Enterprise Applications**
Windchill PTC, Orale Agile PLM, Oracle PLM Cloud, Teamcenter, SAP PLM, SAP Hybris, SAP C/4HANA, Enovia, Proficy, Honeywell OptiVision, Salesforce Sales, Salesforce Marketing, Salesforce CPQ, Salesforce Service, Oracle Engagement Cloud, Oracle Sales Cloud, Oracle CPQ Cloud, Oracle Service Cloud, Oracle Marketing Cloud, Microsoft Dynamics CRM	**PLM, MES & CRM**
Oracle HCM Cloud, SAP SuccessFactors, Workday, ICON, SAP APO and IBP, Oracle Taleo, Oracle Demantra, Oracle ASCP, Steelwedge	**HCM & Supply Chain Planning**
Oracle Primavera, Oracle Unifier, SAP PM, Procore, Ecosys, Oracle EAM Cloud, Oracle Maintenance Cloud, JD Edwards EAM, IBM Maximo	**Project Management & EAM**
OneDrive, Box, SharePoint, File Transfer Protocol (FTP), Oracle Webcenter, Amazon S3	**Enterprise Storage Systems**
HIVE, Apache Impala, Apache Hbase, Snowflake, mongoDB, Elasticsearch, SAP HANA, Hadoop, Teradata, Oracle Database, Redshift, BigQuery	**Big Data**
mangoDB, Solr, CouchDB, Elasticsearch	**No SQL Databases**
PostgreSQL, Oracle Database, SAP HANA, SYBASE, DB2, SQL Server, MySQL, memsql	**Databases**
IBM MQ, Active MQ	**Message Broker**
Java, .Net, Oracle PaaS, Force.com, IBM, ChainSys Platform	**Development Platform**

For Case studies, references, or a no obligation trial or proof of concept, visit us at chainsys.com/datazense

For More Information, Visit:
http://www.chainsys.com/datazense

Write to us:
smartdata@chainsys.com

One Platform for your

End to End Data Management needs

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Data Migration
Data Reconciliation
Data Integaration

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Data Quality Management
Data Governance
Analytical MDM

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Data Analytics
Data Catalog
Data Security & Compliance

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