



# Data Catalog

Data Sheet

# What Is Data Zense Catalog?

The DataZense Catalog is a collection of metadata, combined with data management and search tools, that helps analysts and other data users to find the data that they need.

Its primary use is to serve as a Business Metadata enriched inventory of available data, and provides additional technical information to evaluate the fitness of the data for intended uses



# How does the DataZense Catalog help your Organization?

## 1. VISIBILITY (Data Inventory)

### Technical Metadata

- Count of Tables attributes
- Data Statistics
- Size
- etc..



## 2. BUSINESS UNDERSTANDING (Data Dictionary & Business Glossary)

### Business Metadata

- Master Data Domain
- Table Business Description
- Attribute Business Description
- Area of Business



## 3. ANALYTICS AND REPORTING (Data Supply Chain & Impact Reports)

### Operational / Process Metadata

- Data Lineage
- Relationships
- Patterns



## 4. OMPLIANCE (Security and Governance)

### Security Metadata

- Releaseability
- Consent Type
- Data Retention Policy
- etc..



# Data Catalog Features

Collects and organizes all metadata

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Data profiles

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Table relationships

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Data Registration – (Business Glossary)

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Data Lineage

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Data Governance

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Data citizen

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AI assisted data tagging (Coming Soon!)

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Enterprise meta-data mode

**Profiling algorithms calculate:**

Statistics

Patterns

Probable's

Discover related data across multiple data assets

Provide tools and workflows to register your business glossary and make it available across the organization

Visual representation of where the data is coming from, where it moves and what transformations it undergoes over time

Identify and regulate all sensitive and privileged data across the organization  
Provide tools to infosec/GRC teams to tag, monitor, & control accessibility to the data.

Provide everyone access to relevant data  
Enable Communication & collaboration on data.

Speed up data tagging workflows through automation & suggestions with ML



How much do you really know about your data?

## Data Profiling overview

### Data Statistics

- Column Names
- Column Count
- Column Type
- Column Size
- Data Type
- Unique
- Unique Count
- Null & Null (%)
- Empty & Empty (%)
- Not Null & Not Null (%)
- Nullable
- Constant
- Ordinal Position
- Max Length & Min Length
- Max & Min Value

### Data Profiling

Find Patterns in a columns and display all the patterns in order of occurrences. Useful for identifying irregularities in data.

Patterns

Based on the values of the column it tells you the probability of the column having business value. Example: SSN, Address, phone no, zip-code, dates.

Probable's

Object Mapping is to categorize tables based on predefined templates that group tables into master data domains.

Object Mapping

Find standardized columns based on values like currency columns, order type.

Look up's

Provide an overall metadata view of any table that has been profiled.

Table Summary

## Group Data Profiling

Entity Relationship	Find the relationship of one table to another based on the Metadata and Values within the table.
Data Lineage	Visual representation of where the data is coming from, where it moves and what transformations it undergoes over time. If the Lineage is unknown, we can find Lineage based on Metadata and Values.
Look up's	Find standardized columns based on values like currency columns, order type.
Table Summary	Provide an overall metadata view of any table that has been profiled.

## Business Data Registration

Metadata Attributes	Metadata Description	Level
Catalog Business Description	Business Glossary	Catalog
Profile Business Description	Business Glossary	Profile (Schema)
Area of Business	List all that apply (sales, marketing, finance, engineering, R&D)	Profile (Schema)
Table Tags	Tags	Table
Table Business Description	Business Glossary	Table
Area of Business	List all that apply (sales, marketing, finance, engineering, R&D)	Table
Table Type	Master , Setup, Transactional, Operational	Table
Master Data Domain	Customer / Product / Account / etc	Table
Data Quality Grade	1-5 Star ( Algorithmically + Crowd Sourced through Data Citizen )	Table
Friendly Name	Human Readable Name	Attribute
Attribute Business Description	Business Glossary	Attribute
Calculated field (Y/N)	if yes what is the calculation?	Attribute
Calculation	Capture the calculation in Open Text Field	Attribute



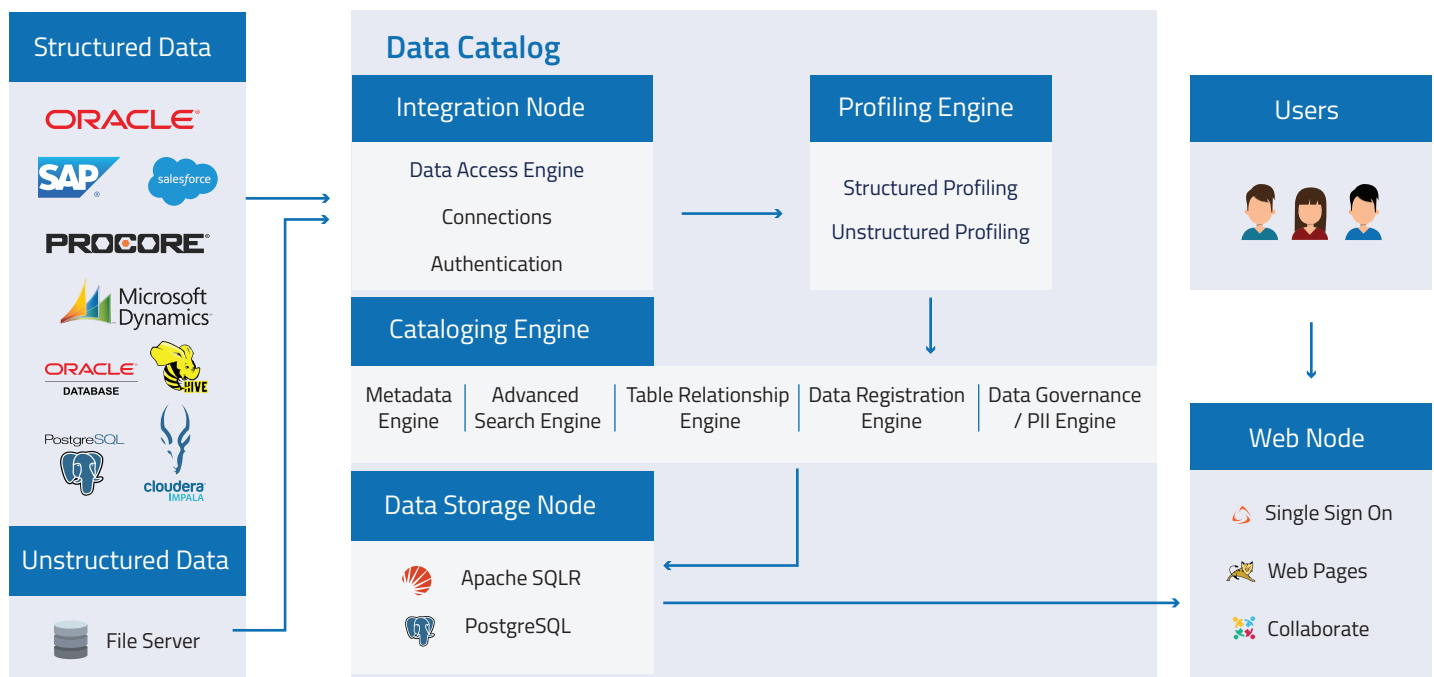
# Business Data Registration

Metadata Attributes	Metadata Description	Level
Catalog Security Classification (Catalog Level)	The security classification level of the database	Catalog
Releasability (Schema/Profile Level)	The restrictions regarding to whom (User Groups) a Schema maybe released to	Profile
Releasability (Table Level)	The restrictions regarding to whom (User Groups) an attribute value maybe released to	Profile
Catalog Security Classification (Table Level)	The security classification level of the attribute	Table
Consent Type	Implied consent (Default) and Express consent	Table
Data Retention Policy	Indicates the time period the attribute's value is to be deleted based on the collection date	Table
Expiration Date	The date an attribute's value is no longer valid	Attribute
Date Consented	The date on which the data was consented for release to the Data Catalog	Attribute
Acceptable Uses	Allowed use conditions for entities that receive the attributes.	Attribute
Catalog Security Classification (Attribute Level)	The security classification of the Attribute	Attribute
Protected Field Type	(PII/PHI/Compensation/Bank Info/Passwords/ETC)	Attribute

# Data Cataloging Process

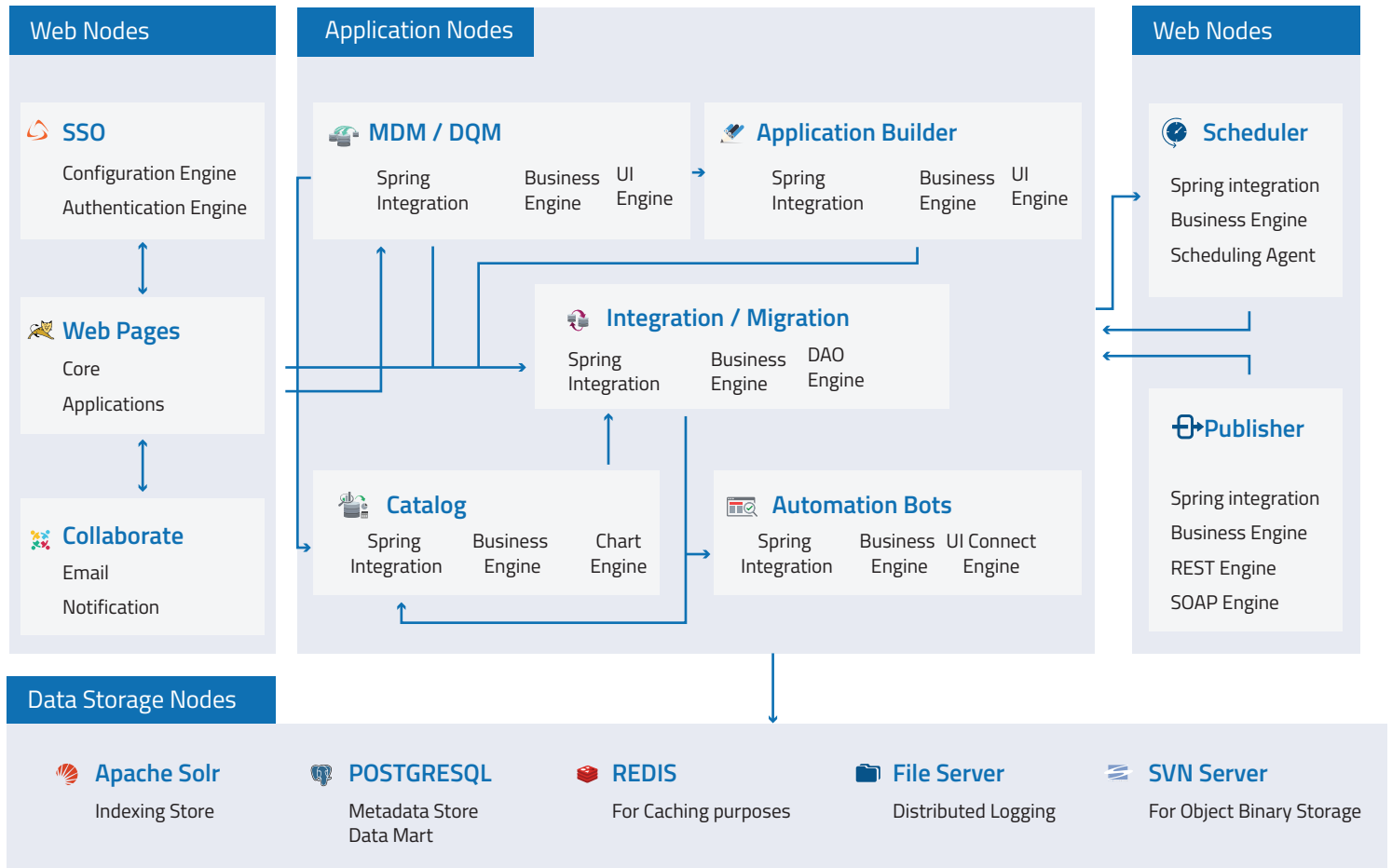


# Data Catalog Architecture & Integration

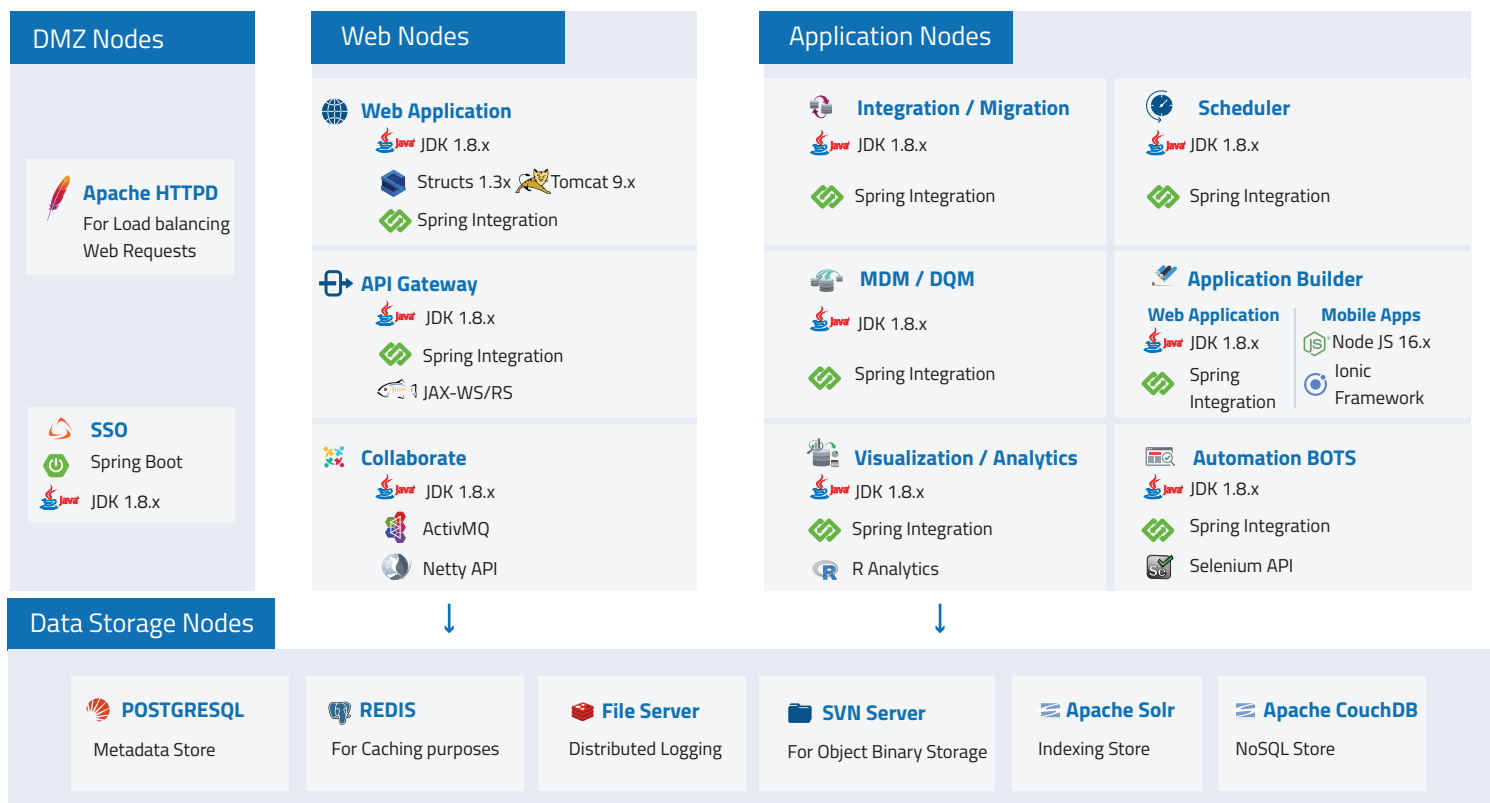




# Data Cataloging Process



# Platform Technology Landscape



# Data Cataloging Roles

1	Role: Data Custodian / Administrator / Security		Description
	Create connections		Configure connections to different source systems
	Give access to users		Control access to users
	Create Sprints		Create environments (DEV,TEST, PRD)
2	Role: Data Architect / Data Steward / Data Owners		Description
	Define Rules, Keywords and Patterns for Profiling		Define parameters for probable's
	Create profiles		Profile creation
	Group profiles and execute		Group profiles to put into a catalog
3	1 <sup>st</sup> Registration of the data		Register data
	Role: Data Owners / Business Users / Data Citizens		Description
	Comments		Comments for data grading and collaboration
	2 <sup>nd</sup> Registration (for Data Owners - if they have access)		Register additional data points that the data steward did/could not register
	View output (Statistics, Table Summary, Relationships, Lineage)		Browsing the metadata

## Supported Endpoints ( Partial )

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, Oracle 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

# One Platform for your

**End to End** Data Management needs



Data Migration  
Data Reconciliation  
Data Integration



Data Quality Management  
Data Governance  
Analytical MDM



Data Analytics  
Data Catalog  
Data Security & Compliance

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