

## LENSES.IO PRODUCT DESCRIPTION:

### Lenses.io

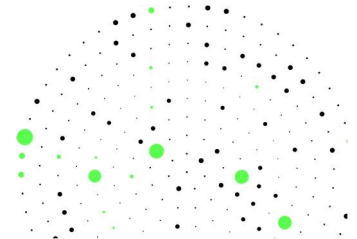
Lenses.io is a developer experience for building and operating streaming applications on open-source technologies. It provides Data observability, governance, and low-code stream processing for any Kafka & Kubernetes environment by connecting an organization's data technologies and tools into a single developer experience.

#### 1. 1. Features

Lenses.io allows access to a software stack with the following features\*:

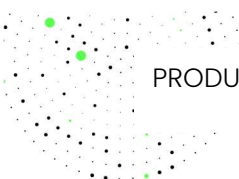
FEATURE	DESCRIPTION
DATA CATALOG	With the Data Catalog You can discover and manage Kafka topics and schemas, enriched with metadata. Additionally, You can track data production metrics, integrate additional data sources (Elastic & PostgreSQL), produce, inspect and delete topic data and integrate with schema registry for AVRO data.
SQL STUDIO	Query data in Kafka Topics with Lenses.io SQL (snapshot engine). Basic queries for additional data sources. Track scanning and execution progress of Your query and manage Your queries. User defined functions.
SQL PROCESSORS	Stream processing semantics with Lenses.io SQL (streaming engine) and scale up or down (i.e., with Kubernetes native support). You can monitor Your processor metrics. User defined functions.
DATA POLICIES	Create Policies to mask data while serving via Lenses.io. Out-of-the-box reduction policies and track applications using protected data.
CUSTOM SERDES	Extend out-of-the-box serialization formats to view, query and process data with Lenses.io Catalog and SQL.
TOPOLOGY	Topology provides a topological view of the streaming landscape and supports Kafka connectors, SQL processors, external apps, and topics. It monitors how data flows via visual pipelines.
EXTERNAL APPS	Interfaces to wire self-managed applications, orchestrated via JVM library or REST Endpoint.
KAFKA MONITOR	Services health (Brokers, SR, connect workers, Zookeeper), supports JMS connectivity, monitors consumer lag, integrates consumer lag API, and monitors data produced per topic.

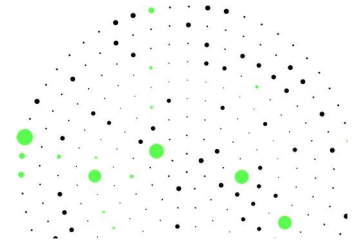




KAFKA ADMINISTRATION	Kafka Administration provides You with self-serve topic configuration. You will have the rights to manage Kafka ACLs and Quotas. You can set up topic creation rules and manage consumer offsets.
KAFKA ECOSYSTEM / KAFKA CONNECT	Connect to one or multiple connect clusters and create connector instances to integrate data in or out of Kafka. You can manage Your groups per connect cluster as well as monitor and manage the connector health.
KAFKA ECOSYSTEM / SCHEMA REGISTRY	Integrate external Schema Registry services. It supports AVRO schemas and manages the evolution and history of the schema. It is integrated with catalog, policies, and permission system.
USER MANAGEMENT	With User Management You can manage Your users and service accounts and create groups of permissions to set the roles and teams. RBAC granular permission and basic authentication is provided.
USER MANAGEMENT / NAMESPACE PERMISSIONS	Data centric permission to allow access to specific datasets. The application permission system applies to the namespace scope. Namespace permissions work per data source.
USER MANAGEMENT / 3RD PARTY IDENTITY PROVIDERS	Integrate with enterprise authentication systems (e.g., LDAP, Kerberos, SSO/SAML) for user accounts.
APPROVAL FLOW	Approval Flows support with topic creations. Users can create topic requests with expected configuration and loads. Approvers require permission to manage the requests.
ALERTS	Built-in infrastructure alerts and connector for generic health alerts. Customer alerts for consumer lag threshold and data produced rates are provided.
ALERT CHANNEL INTEGRATIONS	Alert Channel Integrations are routing alerts to 3 <sup>rd</sup> systems.
AUDITS	Audits are available for CRUD operations, data access and login activity.
AUDIT CHANNEL INTEGRATIONS	Audit Channel Integrations are routing audit events to 3 <sup>rd</sup> party channels.
TOOLS / CLI	You can manage Lenses.io via the CLI, build automations and import/export resources in a declarative way (YAML).

\*To extend included in the relevant Subscription Scope.



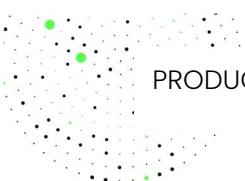


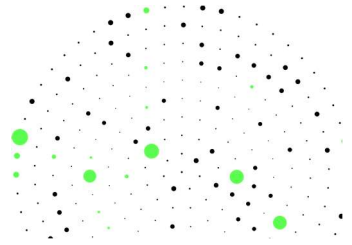
## 2. Integrations

Following Integrations are available per feature\*:

FEATURE	INTEGRATION
DATA CATALOG	<ul style="list-style-type: none"> <li>• Kafka</li> <li>• Elasticsearch</li> <li>• PostgreSQL</li> </ul>
ALERTS	<ul style="list-style-type: none"> <li>• AWS Cloud Watch</li> <li>• Datadog</li> <li>• Pagerduty</li> <li>• Slack</li> <li>• Alert Manager</li> <li>• Webhooks</li> </ul>
AUDITS	<ul style="list-style-type: none"> <li>• Splunk</li> <li>• Webhook</li> </ul>
IDENTITY PROVIDERS	<ul style="list-style-type: none"> <li>• LDAP</li> <li>• Kerberos</li> <li>• Azure/AD</li> <li>• SSO/SAML <ul style="list-style-type: none"> <li>◦ Google</li> <li>◦ Keycloak</li> <li>◦ Okta</li> <li>◦ OneLogin</li> <li>◦ Keystore</li> </ul> </li> <li>• Custom</li> </ul>
GRAFANA DASHBOARDS AND PROMETHEUS EXPORTERS	Ready-made templates to build Your operational Kafka monitoring.

\*To extend in the relevant Subscription Scope.





### **3. Subscription Scope**

The following metrics described specify and define the scope of Your subscription pursuant to the applicable Order. The provisions of the Order shall prevail over the below definition in the event and to extend of a conflict.

Lenses.io can be licensed based on two different licensing packages:

#### **Lenses Team**

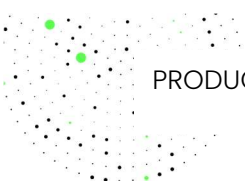
Lenses Team comes with one Kafka Cluster and basic RBAC. The following features are not included in this package: Data Policies, Custom Serdes, User Management/Namespace Permissions, User Management/3<sup>rd</sup> Party Identity Providers, Approval Flow, Audit Channel registrations.

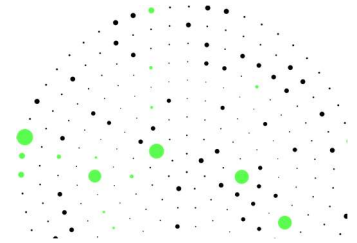
This package is limited to 10 SQL Processors and 2 User Groups. For the Alert Channel Integrations, You are limited to 2 available integrations.

Single features cannot be added to this licensing package, an upgrade to the “Platform” licensing package will be required if additional features are requested.

#### **Lenses Platform**

Lenses Platform comes with one Kafka Cluster and an unlimited availability of all features. Additionally, there is no limitation of available integrations.





#### **4. Further Definitions**

##### **Kafka Cluster**

A Kafka Cluster is the infrastructure where Lenses is connected to. Currently one Lenses can be deployed for each Cluster. Each cluster provides a number of Brokers.

##### **Broker**

A Broker is a Kafka server part of a Kafka Cluster which is managed and provided by You.

##### **User**

A User describes a personalized password protected account for access to the Lenses environment. User accounts are managed by the customer administrator.

