

Data Processing Service



Overview

JioCloud Data Processing and Curation lets you build data pipelines at scale — without writing code or managing infrastructure. You can pull in data from many sources, clean and shape it, apply logic, and send the output to wherever it is needed — from dashboards to analytics tools or downstream systems. Designed for India-scale needs, the platform supports drag-and-drop pipelines, reusable components, and live tracking across every stage — so you stay in control, from ingestion to insight.

Key Features

- **No-code pipeline builder**
Create and manage data flows using an intuitive interface — no programming required.
- **Built-in connectors**
Easily plug into databases, APIs, files, and cloud storage — streamline integration across sources.
- **Drag-and-drop ETL**
Visually design transformations and routing logic with minimal configuration.
- **Job and lineage visibility**
Track every pipeline, log, and job from a centralised workspace — ensure data integrity and auditability.
- **Live data previews**
View structured output instantly — verify transformations before production deployment.

Benefits

- **Faster insights**

Go from raw data to actionable output in minutes – without developer bottlenecks.

- **Lower costs**

Eliminate infrastructure complexity with a ready-to-use, managed platform.

- **Greater efficiency**

Automate manual workflows, reduce errors, and accelerate business operations.

- **Full control and transparency**

Monitor, track, and tune every pipeline with real-time observability and version control.

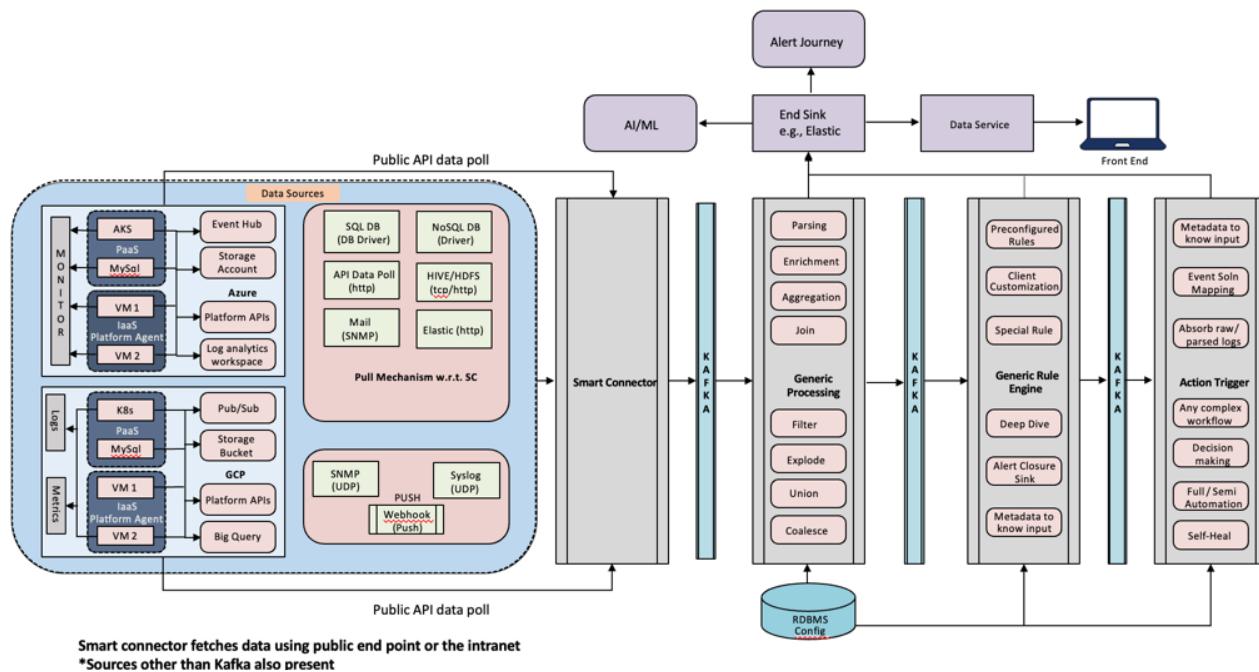
Technologies Supported

| Category | Details |
|-----------------------|--------------------------------------|
| Operating Systems | Windows, Linux, macOS |
| Programming Languages | Scala |
| Databases | MySQL, PostgreSQL, MongoDB, and more |
| Cloud Integrations | Jio Cloud, On-premises |

Technical Specifications

| Specification | Details |
|----------------------|------------------------|
| Data Storage Options | Blob, SQL, NoSQL, etc. |

Architecture Diagram



Use Cases

- **Retail data curation – simplified ETL for regional datasets**

A large retailer processes customer orders in Indian languages submitted via CSV uploads. With JioCloud Data Processing and Curation, the team builds a no-code pipeline that ingests, cleans, and transforms these datasets – applying business logic and generating structured outputs automatically. Teams use a drag-and-drop interface to map fields, apply conditions, and view transformation results live. The result: faster insights, fewer manual errors, and full visibility across ingestion to output.

- **The journey**

- **Ingest:** Data is ingested to our environment through various sources.
- **Explore:** Users can explore the data and visualize it for better observability and analysis.
- **Transform:** Perform basic to advance ETL operations on the data to transform it as desired.
- **Execute:** Execute the workflow as a job / pipeline and visualize the same.