# excelra

# Integrated sample request workflow management

CASE STUDY

# Purpose

To develop an organization-wide collaborative workflow management system with a simplified user-interface for internal and external stakeholders

# Client

**Industry**
Pharmaceutical and biotechnology
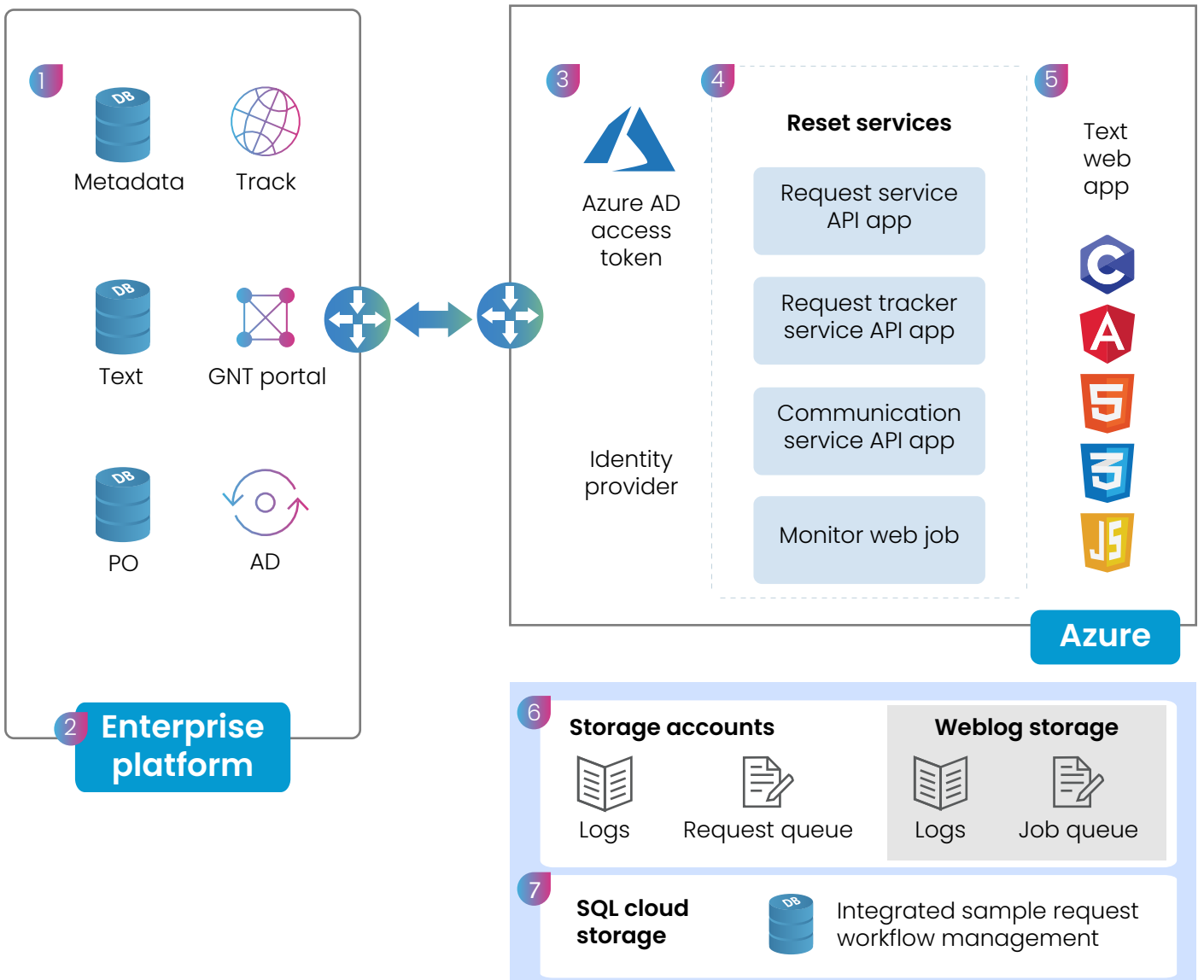
**Location**
US

**Sector**
Consumer healthcare

# Excelra approach

An Azure Platform was designed on a server-less architecture. The platform had a simplified interface with integrated and collaborative workflow, metadata strategy, data lineage and master data integration along with audit and compliance requirement, cross collaboration between multiple CROs and an inbuilt standardized vocabulary to align across datasets.

# Architecture



**1**

Metadata    Track

Text    GNT portal

PO    AD

**2 Enterprise platform**

**3**

Azure AD access token

Identity provider

**4**

**Reset services**

Request service API app

Request tracker service API app

Communication service API app

Monitor web job

**5**

Text web app

**Azure**

**6**

**Storage accounts**

Logs    Request queue

**Weblog storage**

Logs    Job queue

**7**

**SQL cloud storage**

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# Our contribution

- ✓ Dynamic UI (admin controls) for front-end and back-end activities

- ✓ Creation, tracking, and validation of single source for metadata

- ✓ User-friendly interface with all the data entry points in excel format

- ✓ Scalablilty, Dynamic Framework and Modular based add-ons.

- ✓ Fluidity and departmental integration points across the framework

- ✓ Automation-future RPA Free

# Our technology service portfolio

| **Enterprise data strategy** | **Enterprise cloud ops** | **Enterprise digital transformation** |
|---|---|---|
| • Metadata & master data management<br><br>• Semantic data catalogue, ontology mapping and data dictionary integration<br><br>• Data unification strategy<br><br>• Automated data ingestion, pipeline creation and semantic integration | • Cloud migration, infrastructure set up and management (AWS & azure)<br><br>• Devops & devsecops/ MLops & MLsecops<br><br>• Product ops & service ops<br><br>• Data lake creation and integration support | • Scientific product development<br><br>• Platform/application development<br><br>• Process automations<br><br>• Enterprise workflow integration<br><br>• Visualisation and dash-boarding as a service |

# Where data means more

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