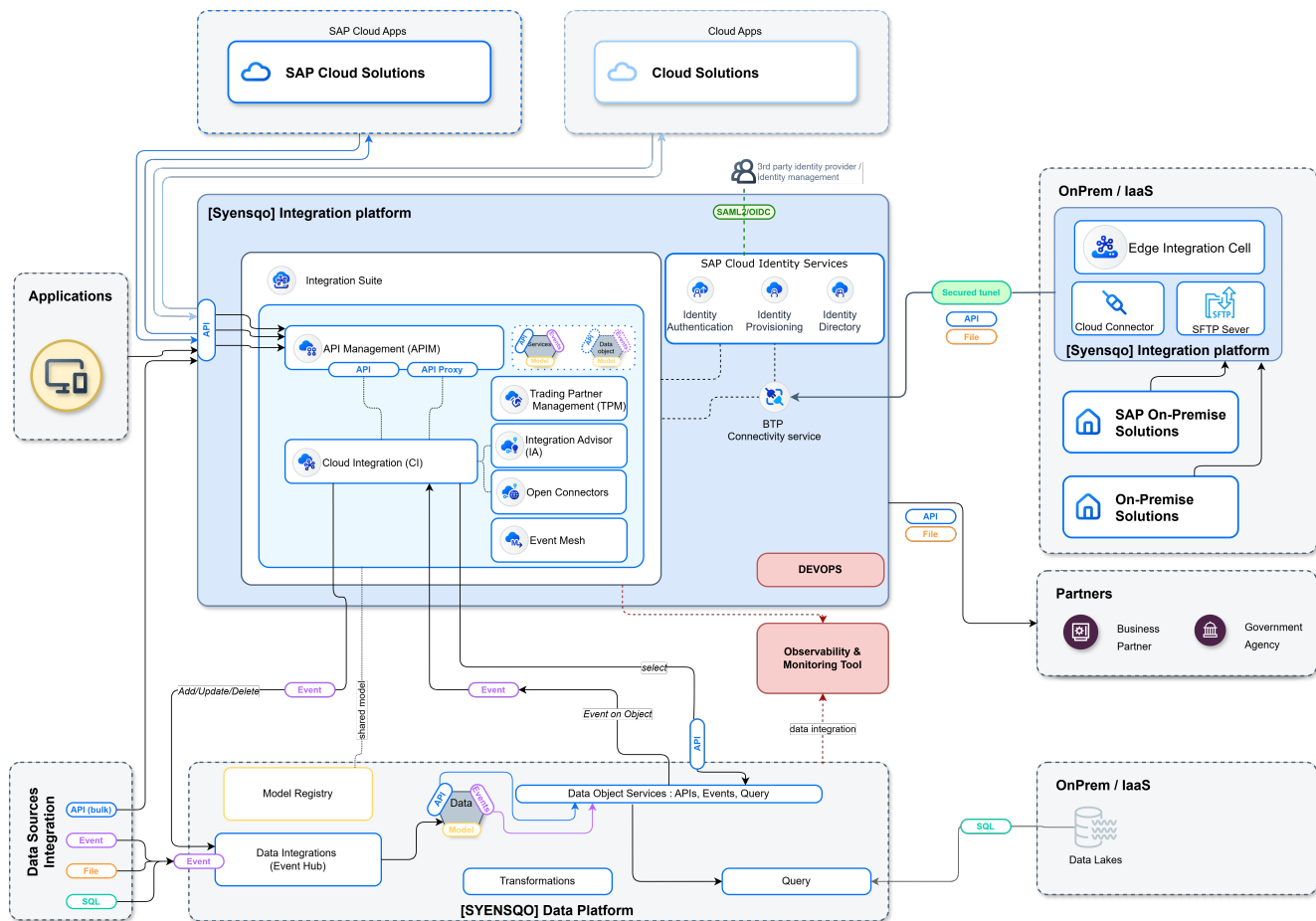


Integration Platform - Systems and components view

IN REVIEW



This is the "stable" version of the Integration Platform, there are some components still under definition and validation process, here is the [WIP progress version](#)

Overview

- The **Syensqo Integration Platform** is utilising **SAP Integration Suite** to manage API-based and event-driven integrations. It provides also security for integrations and protocol adaptors.
- It connects **Cloud Solutions**, **SAP Cloud Solutions**, **On-Premise Systems**, **Data Sources**, and **Partners**.

Key Components

SAP Integration Suite

1. **API Management (APIM)**
 - API Gateway for **exposing, securing, and managing APIs**.
 - API Proxy to route requests to backend services.
2. **Cloud Integration (CI)**
 - Orchestrates processes and transforms their data between different systems.
3. **Trading Partner Management (TPM)**
 - Manages integrations with **external business partners**.
4. **Integration Advisor (IA)**
 - Provides **guidance and templates** for message mappings.

5. Open Connectors

- Standardized connectors for **third-party apps and cloud solutions**.

6. Event Mesh

- Enables **event-driven integration** for asynchronous processing.
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Identity & Connectivity

- **SAP Cloud Identity Services**
 - Identity authentication, provisioning, and directory management.
 - Integration with **third-party identity providers** via **SAML/OIDC**.
 - **BTP Connectivity Service**
 - Securely connects **SAP BTP with On-Premise** systems.
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On-Premise & IaaS Connectivity

- **Edge Integration Cell**
 - A lightweight **integration runtime** for on-prem systems.
 - **Cloud Connector**
 - A **secure tunnel** between on-premise and cloud systems.
 - **SFTP Server**
 - File-based integrations.
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Applications

- Represents various **applications** interacting with the integration platform via **APIs**.
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Data Sources & Data Integration (part of Data Platform)

- **Data Object Services part of Data Platform**
 - Provides **APIs, Events, and Query capabilities** to interact with structured data.
 - **Event Hub (Data Integration Layer) part of Data Platform**
 - **Model Registry** to define data models.
 - **Transformations** for data processing.
 - **Data storage part of Data Platform**
 - Stores large volumes of **structured and unstructured data**.
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Observability & Monitoring

- A dedicated **Observability & Monitoring Tool** ensures logging, tracking, and alerting for integration flows.
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Interaction with External Partners

- **Business Partners & Government Agencies** connect via APIs for compliance and regulatory data exchange.

Components details

DRAFT

Component	Description
SAP BTP (Cloud Foundry)	Hosts the SFTP server or file storage.
SAP Integration Suite (SAP IS)	Automates, monitors, and orchestrates file movement.
SAP Event Mesh	Enables event-driven notifications and alerts.
Cloud Connector	Provides secure connectivity to on-premise SAP systems.

Monitoring & Audit Logs	Tracks file movement for compliance (SAP BTP Logging).
Managed SFTP Server (AWS, Azure, GCP, On-Premise, or BTP VM)	Provides secure file transfer and access control.