Apica Flow + ORACLE Cloud Infrastructure

DATA SHEET

An economic, vendor-agnostic telemetry pipeline solution powered by Oracle Cloud Infrastructure

Quick Summary

Managing rapid data growth and achieving comprehensive observability is complex and costly. Apica provides a vendor-agnostic telemetry pipeline solution powered by *Oracle Cloud Infrastructure* for a single control plane to manage and monitor pipelines, reducing data infrastructure costs and optimizing storage. Consolidate and optimize telemetry data for better performance and security with Apica Flow .

The Challenge

Telemetry data is rapidly increasing, making it difficult for organizations to maintain a holistic view of their environments. Achieving 100% observability and continuous data management is challenging and expensive due to data overflow and noise. Regulations require long-term data retention, further increasing costs.

Major Challenges

- **Ballooning Costs:** Wasted expenses on non-critical data.
- **Data Growth:** Managing large, unpredictable data volumes.
- **Compliance Risks:** Premature data decisions threaten compliance.
- **Data Sprawl:** Lack of control leads to high costs and latency.
- **Inadequate Security:** Data noise risks losing essential data.

Key Benefits

Visual builder for creating telemetry pipelines.

Data transformation controls for filtering, normalizing, and enriching data.

Rich set of controls to help reduce data and infrastructure costs.

Built-in fleet management of data collection agents.

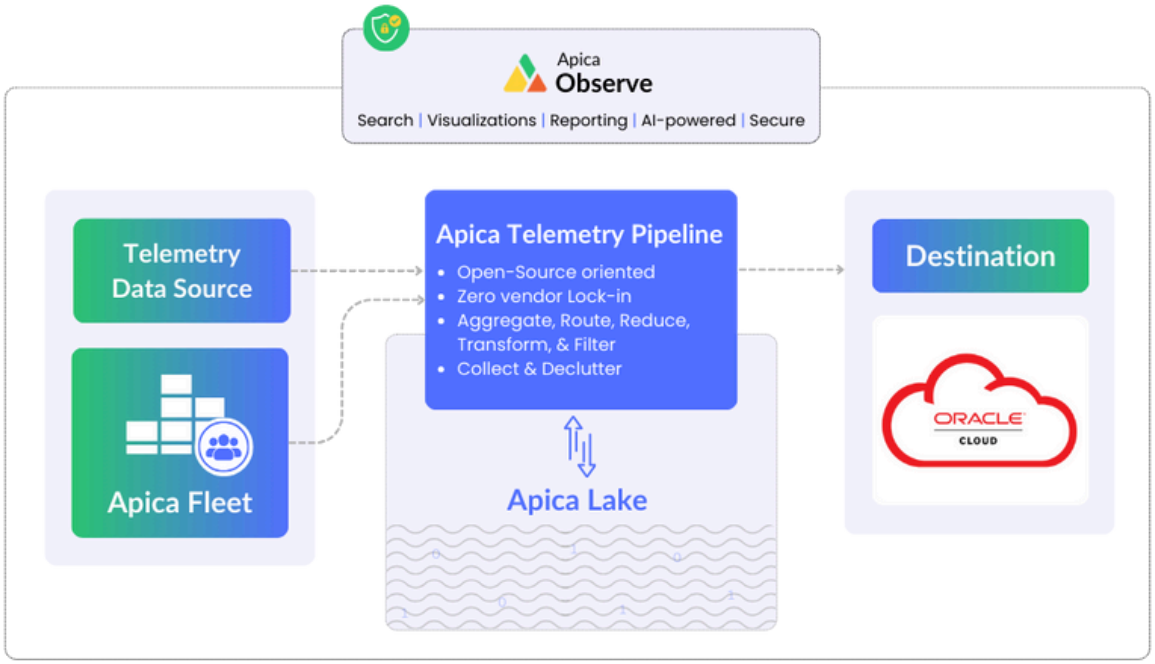
Built-in data vault for instant compliance.

Option to use Apica Flow as a hybrid/ multi-cloud observability platform running on OCI.

The Apica Solution

Apica's Telemetry Pipeline (FLOW) streamlines data flow between sources and destinations, improving data management and observability. The Apica Ascent platform enables you to access its Flow and Lake offerings, giving you data pipeline control and the ability to fully index incoming data for uniform, on-demand, and real-time access to all data.

Apica



Key Features

Comprehensive Data Management Capabilities

- **Data Control:** Collect, transform, and route telemetry from any source to any destination.
- **Data Transformation:** Change incoming data to meet destination requirements using filtering, enrichment, normalization, and tagging. Add contextual information that enhances data value.
- **Data Retrieval:** Rehydrate historical data from indexed low-cost storage, ideal for meeting audit and compliance workflows
- **Data Pipelines:** Flow fits seamlessly into your data pipeline to manage data operations.

FLOW acts as a central hub, routing data to various destinations like Observability and SIEM tools. It cleans and adjusts data in transit, saving on storage and processing costs.

Integrated Data Lake

- Built-in vs Bolt-on architecture for seamless scale, and analytics.
- Insurance against data loss due to network partitions, and target unavailability.

Centralized Management

- Manage your telemetry pipeline and agent fleet from a single pane of glass.

- **Agent Control:** Centralized management agent fleets that collect data such as OpenTelemetry Collector. Flow offers an integrated, vendor-agnostic **Fleet Management solution** for modern data management. Apica Fleet Management upgrades traditional telemetry from a static system to a dynamic, adaptable solution tailored to your specific operational requirements.

Consumer grade UI & Cost Economy

- Drag and Drop pipeline builder wizard.
- Visualize Data Pipelines in real-time, and see useful statistics on data and cost savings.
- Built-in monitoring of pipeline metrics and AI capabilities to see anomalies in pipeline metrics in real-time.
- Accelerate data projects with a turnkey data management platform.
- Reduce MTTR by ensuring higher quality, relevant data for your data teams so you can meet your SLAs/SLOs.
- Reduce data costs by removing noise.

Key FLOW Capabilities

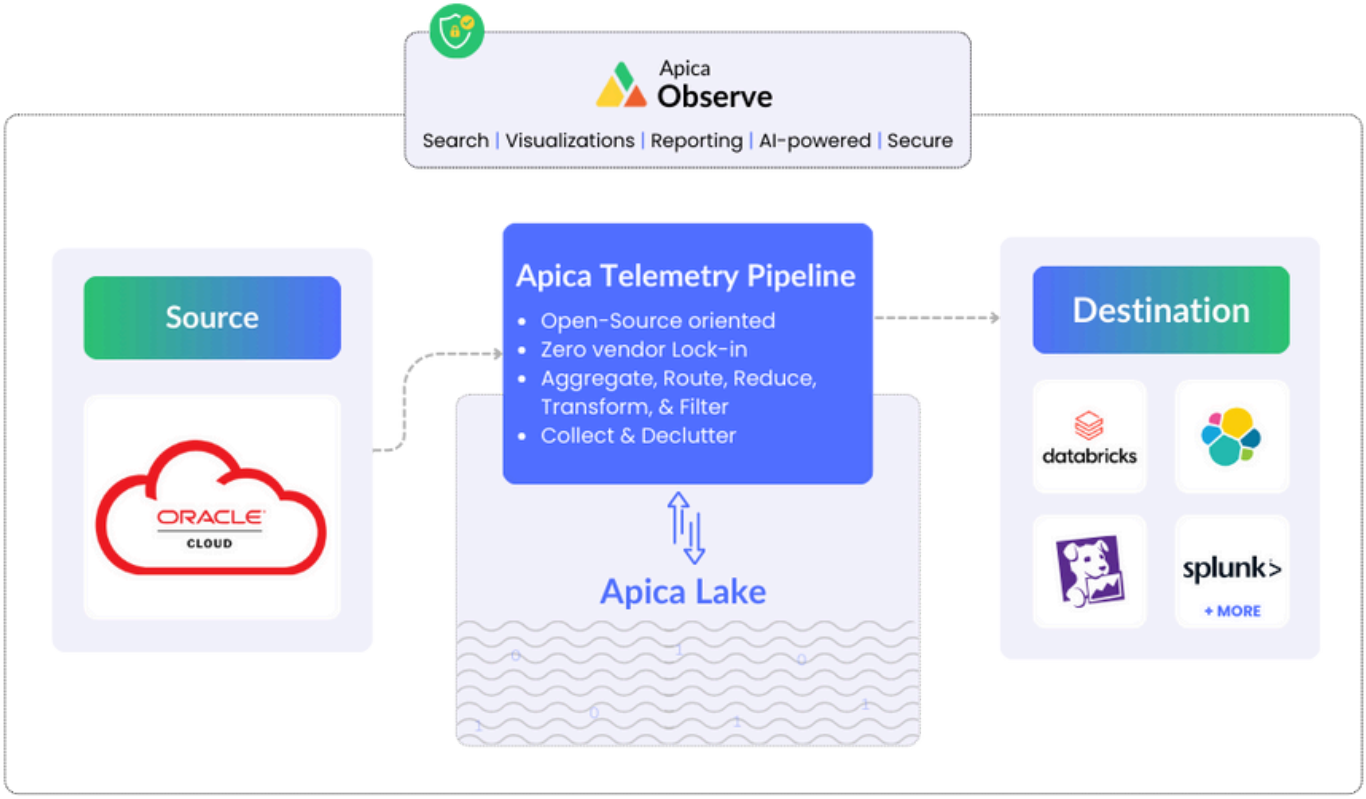
Take Control of Your Data
Aggregate logs from multiple sources and enhance data quality.

Build Robust Data Pipelines
Easy integration with support for open standards.

Create Data Lakes
Develop customizable data lakes for optimal performance.

Trim Excess Data
Reduce costs by filtering out non-essential data.

Augment Data Attributes
Enhance logs with additional attributes and security events.



Architecture

- Run on any Kubernetes environment, on-premise, or on the public cloud.
- Built with a microservices architecture, and cloud-native principles.
- Scales from a laptop to 100's of nodes.
- 200+ data integrations via standardized protocols, push agents, pull integrations, and custom data collectors.
- Deployment options:
  - Available as a SaaS or self-hosted option.
  - OVA is available for virtualized infrastructure for small-scale deployments.
- Patented InstaStore technology for streaming data into any object storage for long-term retention and reverse ETL.
- Support for push data:
  - Open source agents such as OpenTelemetry, Fluentbit, Fluentd, Logstash, Filebeats, Vector
  - Syslog compatible push clients, Syslog-ng, and Rsyslog
  - Syslog RFC support for RFC3164, RFC5424, RFC5425, RFC 6587.
- Support for pulling data via built-in plugins such as Oracle Integration Pub/Sub, Kafka, and S3 compatible storage, among others.
- Ability to launch custom push/pull data integrations by launching user-created docker microservices in the telemetry pipeline.
- Live tailing of data for telemetry streams.
- Powerful rule engine for building the precise pipeline that meets your data needs.

Product Features

- Telemetry pipeline that can aggregate, route, reduce, transform, and filter logs, metrics, and traces from any source.
- Built-in UI for administration, visualizations, and reporting.
- Integrated data lake for long-term retention, and reverse ETL workflows.
- Built-in management for telemetry collection agents.
- REST API's, CLI for automation.

Security and Compliance

- SSO via SAML and LDAP.
- Support for HTTPS and TLS connections.
- Zero-trust architecture for agent management means no host passwords are needed.
- Role-based access control for telemetry data access and management.
- SOC2 Type2 and ISO27001 compliant.

Data Types

- Logs, Metrics and Traces
- Agents
- Configurations
- Managers
- Packages
- Rules
- External Alerts

Working with Data

- Support for multiple data types such as logs, metrics, and traces.
- Automatic handling of various time formats and normalization to UTC
- Consumer-grade UI for working with streaming telemetry data
- Visualize data flows, visually build pipelines, add rules for data transformations
- Troubleshoot pipelines using preview capabilities for data transformations
- Use built-in fleet management capability to manage agents collecting the data and optimize data velocity, ensuring consistency in data collection across fleets of data collectors.
- Work with Javascript V8 code engine to build powerful rules for data transformations using Code rules.
- Work with a rich set of rule types for data transformation:
  - Filter: Regex
  - Extract: Regex and Code
  - Tag: Regex
  - Stream: Regex
  - Rewrite: Regex and Code
  - Code (V8 Javascript)
  - Clone

Open-Source Support

- Built-in support for OpenTelemetry collector, Fluent-bit, Telegraf, and other open-source agents.
- Extensible and compatible with a wide range of observability platforms, due to support for open-source protocols and technologies.

OpenTelemetry Support

- Ingest data from OpenTelemetry collector, compatible with OpenTracing for legacy compatibility.
- Both core and contib OpenTelemetry collector distributions are supported.
- Support for custom collector builds.
- Open Agent Management Protocol (OpAMP) is a core technology for fleet management capabilities.

CLOUD NATIVE COMPUTING FOUNDATION

Information Security Management System ISO 27001 Certified

AICPA SOC aicpa.org/soc4so

Contact us *today to schedule a demo. Or reach out to* ***sales@apica.io***