



No Slides, Just Streams

From live data streams to real-time analytics and chat on Oracle AI Data Platform

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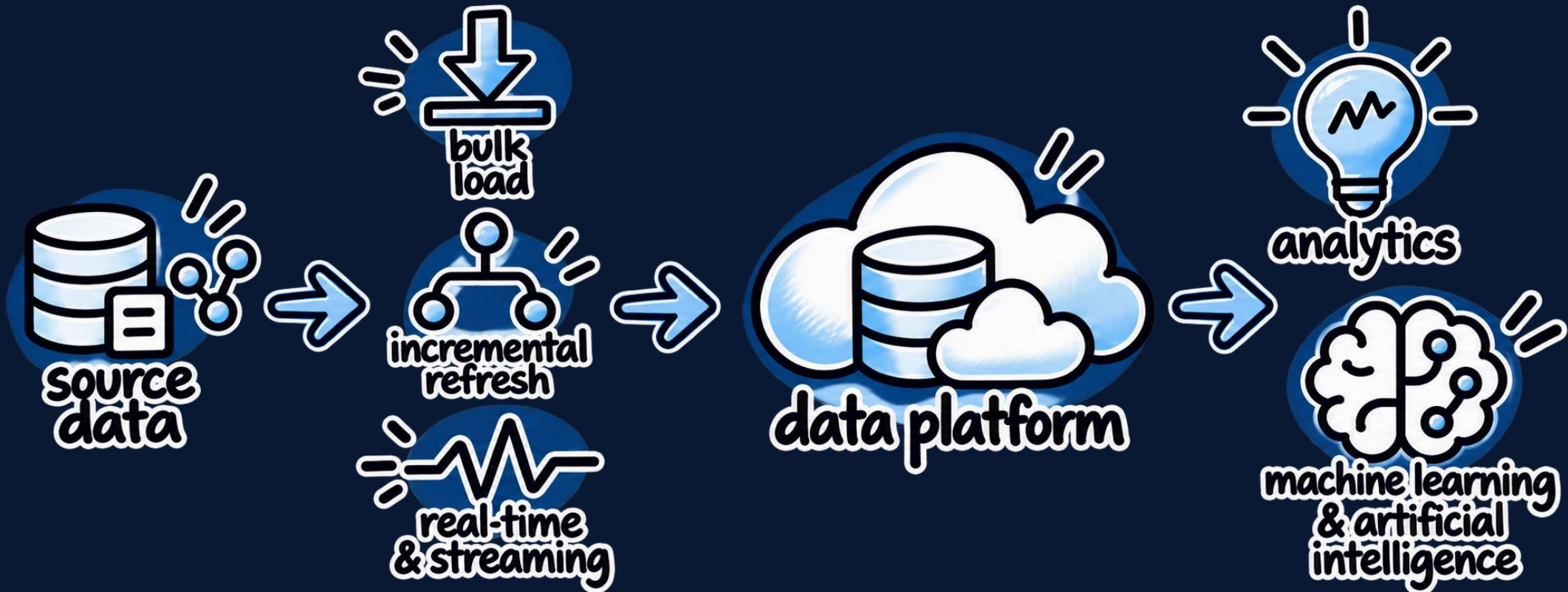


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<https://zigavaupot.blogspot.com/2026/09/ai-data-platform-series.html>

Žiga Vaupot's Blog

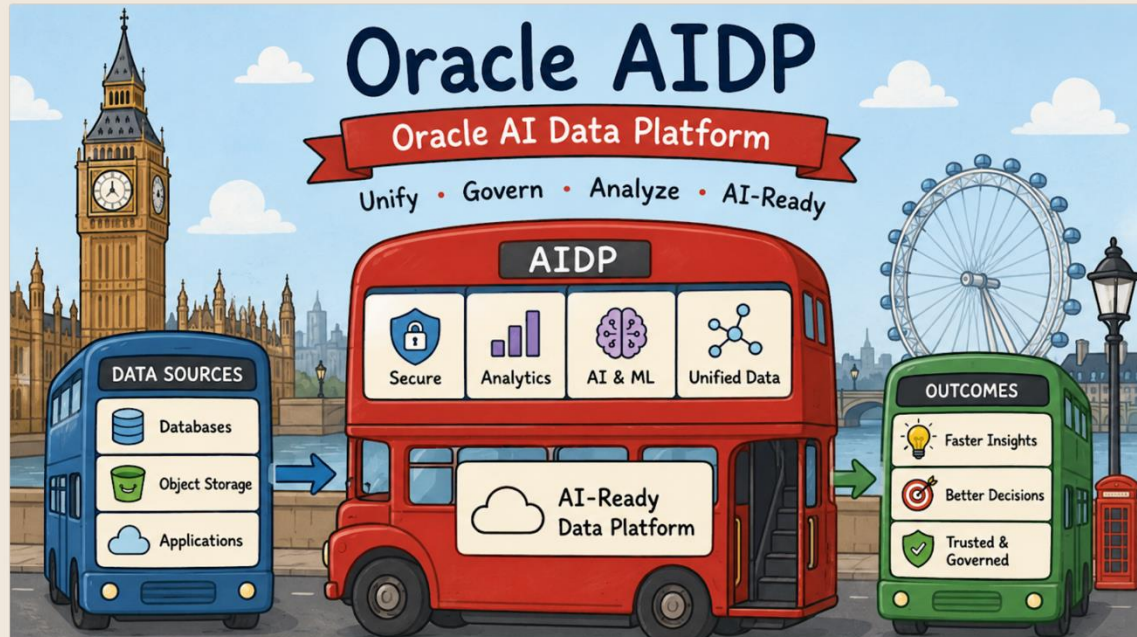
Analytics, Data Science & AI

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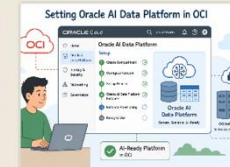
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AI Data Platform Series

[AI Data Platform](#) [AIDP](#) [OCI](#) [Series](#)



Just Streams:
Real-Time Data
Pipelines on OCI



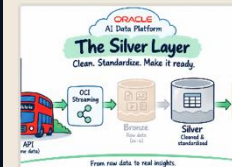
Setting Up the AI
Data Platform
Environment



OCI Streaming
and Stream
Producer



Bronze Layer:
Spark Structured
Streaming



Silver Layer:
Spark Structured
Streaming



Comparing
Bronze and Silver
with DBeaver



Gold Layer:
Arrivals Board



Gold Layer:
Vehicle
Movements

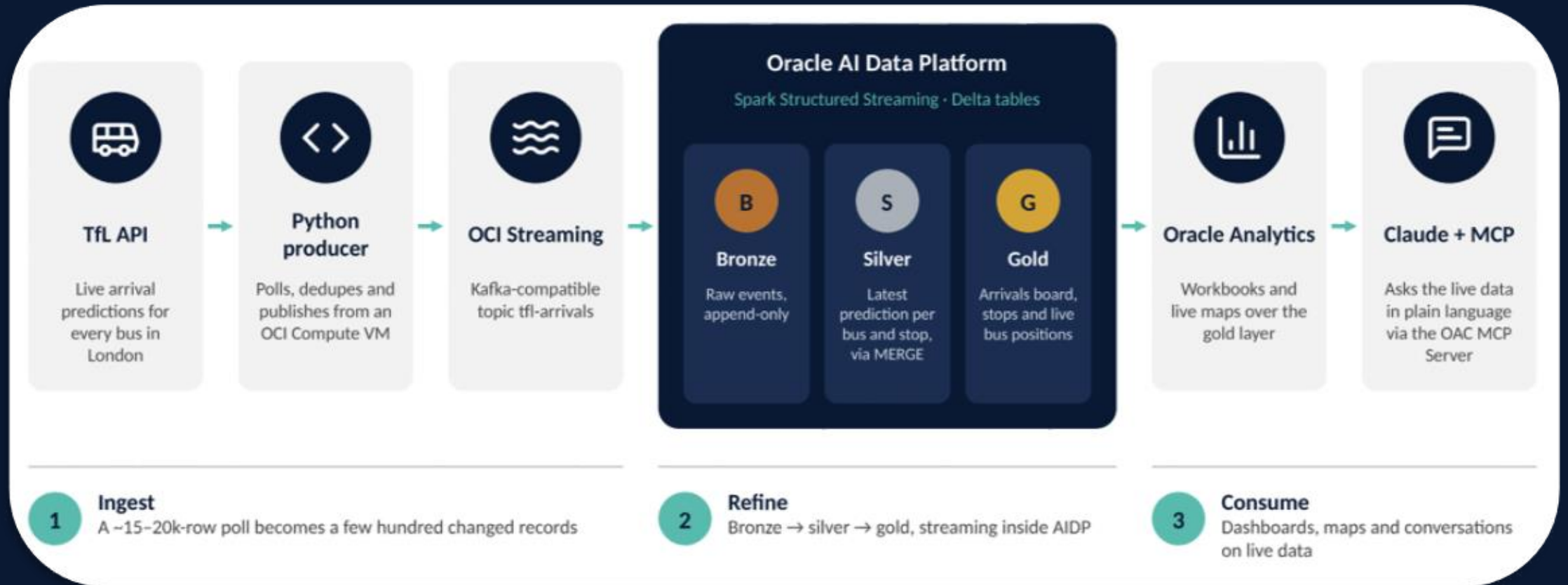


OAC MCP Server
and Streaming
Data



The whole story in 1 picture

From a bus stop to a plain-language answer, streaming end-to-end



Why London buses?

The buses aren't really the point.

- In our demo, we track buses. Live arrival predictions come in continuously, are processed in Oracle AI Data Platform, and become analytics in Oracle Analytics Cloud.
 - But replace buses with **delivery trucks, production machines, energy meters, financial transactions, application events, or customer interactions**, and the business problem starts to look very familiar.
 - Something is happening right now, somewhere in the organisation.
 - The question is: **how quickly can you turn those events into information people can actually use?**
- For logistics, that might mean identifying deliveries that are starting to fall behind schedule.
 - For manufacturing, spotting a machine whose behaviour is moving outside its normal range.
 - For energy, seeing unusual consumption while it is happening rather than discovering it in next month's report.
 - For financial services, identifying transactions or patterns that require attention.
 - For customer-facing systems, understanding changes in activity as they happen.

Events happen → Data arrives → Raw history is preserved → Information is refined → Business context is added → People can analyse and act on it.



And now?





TfL
Bus Arrivals
(API)

ORACLE AI Data Platform (AIDP)



ORACLE Analytics Cloud



Semantic Layer

Governed • Consistent • Trusted

Which London bus stops
have the highest number
of arrivals today?

AI Agent



OAC
MCP Server



Search catalog



Describe data



Query data



Here are the top bus stops
by number of arrivals today:





No Slides, Just Streams: Real-Time Data Pipelines on the OCI
AI Data Platform

