

# CloudOps in today's multi-cloud and Al-driven landscape

Michael Coates
Senior Solutions Architect



## What AI Capabilities are we planning to deliver?

- Models and tools are evolving rapidly
- How do we prepare ourselves for taking advantage of the right tools in an emerging market?
- What benefits can I get from my data today?

### Is one cloud really enough?

- Access and leverage platform features that offer real differentiation
- Deliver Operational Resilience & mitigate single-supplier risk
- Meet Regulatory requirements
- Optimise spend

#### Multicloud Remains the Way Forward: Are Data Platforms Ready?



80% of organizations surveyed by IDC are running multicloud environments.

Multi-cloud is becoming the new standard

IDC has noted that multicloud infrastructure is a critical aspect of Al strategy for an ever-growing number of companies, as they want the ability to leverage business data across multiple platforms.

Additional drivers include:



Efficient processing: Cloud platforms often incorporate tools and technologies that facilitate data processing, transformation, and analysis in real time, reducing latency and enabling quicker decision-making by Al systems.

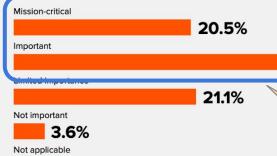


Integration with AI models: These platforms often integrate seamlessly with various AI models and frameworks, making it easier to build, deploy, and manage AI models using the data they provide.



Data governance and security: Cloud data platforms allow for the implementation of better governance, control, and security measures, helping to ensure compliance with regulations and safeguarding sensitive information.

Q: Over the next 18 months, how important to your generative Al strategy is the ability to leverage multi-cloud or hybrid cloud architectures?



5.6%

Don't know **1.7%** 

1.7%

All Respondents (n = 883)

Optionality to select the right Al tool (or tools) is a critical requirement

47.4%



# What AI Capabilities are we planning to deliver in the next FY?



Chatbots trained on enterprise data



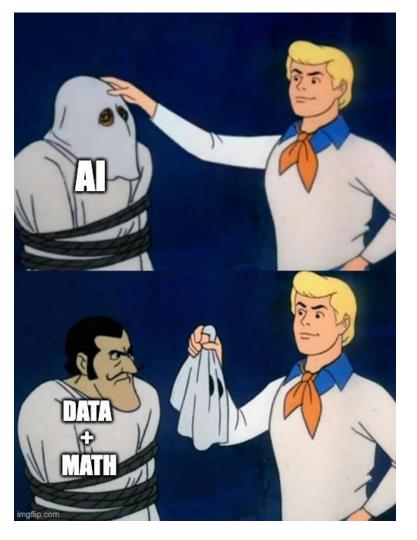
Semantic and multimodal Search

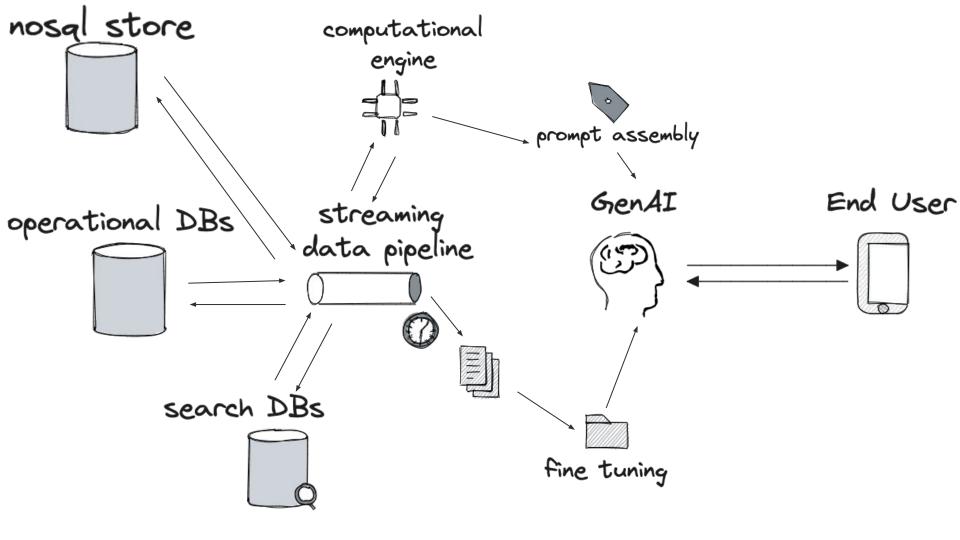


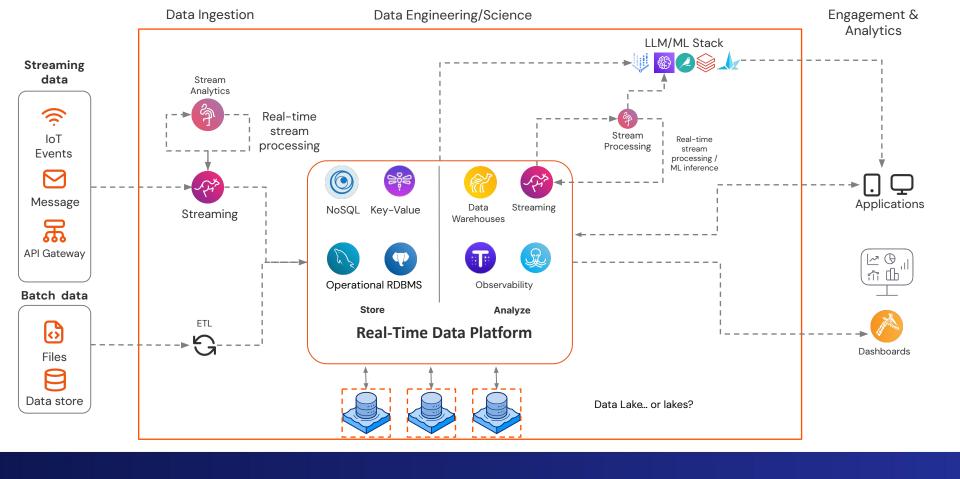
Intelligent document processing



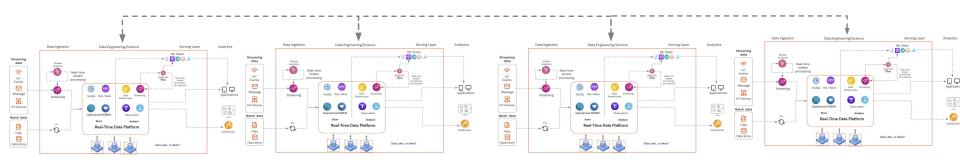
Experience personalization







#### A Growing Data Platform



aws

Google Cloud

■■ Microsoft Region 2 ■■ Azure

■■ Microsoft Region 1 ■■ Azure

#### But there's a cost



Having the right people at the right time to solve the right problem.



The more fragmentation of technology, the more skills are required.

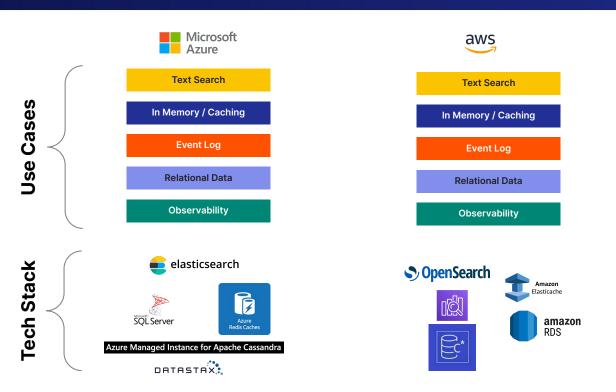


Cloud lock in occurs when you require unique skills.



More clouds,
more
proprietary
solutions, more
siloed teams
are required.

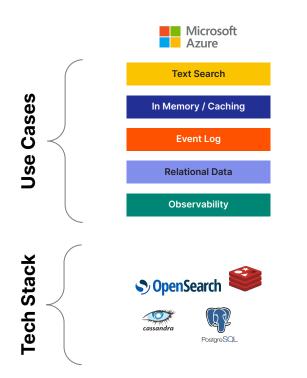
#### An Example - Cloud Native Approach



Introduction of additional clouds (AWS, GCP, OCI) results in app tech stack complexity

Hyperscaler Native + Point Solution "Gap Fill" approach

#### **Open Source Commoditises Cloud**







Abstracting common cloud services reduce complexity and security risk

#### Scaling your team



Have the right people at the right time to solve the right problem



Fragmentation reduced with common skills



**Cloud** portable data

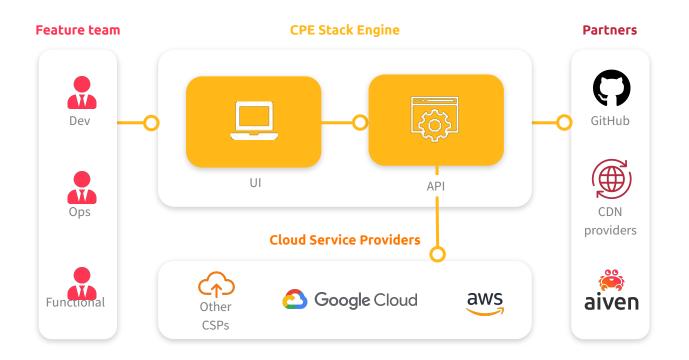


Scale your
clouds, with
open solutions
& let your teams
focus on
differentiation &
value

#### So what does this mean for Cloud Ops?

- Cloud Silos won't deliver on business expectations
- 80% of cloud services are now commodity
- So... focus on delivering value from the 20% unique services
- Enable your business by
  - Delivering Engineering with common tools across the platforms they need
  - Common Security & Compliance Frameworks
  - Cost aware platforms that allows business to negotiate better Cloud deals
  - & of course... automation to support it all

#### **Cloud Platform Engineering**





Secure
Automate
Scale

#### One Data Platform for your cloud needs







and Kafka® Connect

**Event stream** processing



Aiven for Apache Flink®

Relational databases



Aiven for Aiven for PostareSQL® MvSQL

**Kev-value** database



Aiven for Redis®

Wide column database



Aiven for Apache Cassandra®

Time series database

Aiven for

**M3** 



Aiven for

Data

warehouse

**ClickHouse®** 

Search engine



Aiven for OpenSearch®

Data visualization



Aiven for **Grafana®** 

**STREAM** 

**STORE** 

#### Host



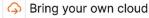












Deploy











Prometheus

Couchbase



Splunk

AWS CloudWatch





**ANALYZE** 

Integrate

**GCP Monitoring** 



MongoDB





1

GCP BigQuery

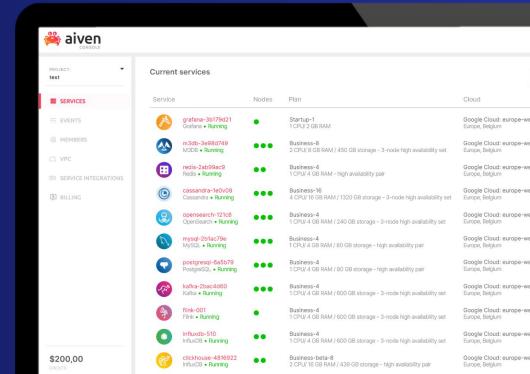
GCP Pub/Sub

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**Start trial** 

Valid until 30 June 2024



### Thank you!

Let's chat.



#### **Michael Coates**







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