

Meshly

Open-source in
business

Agenda

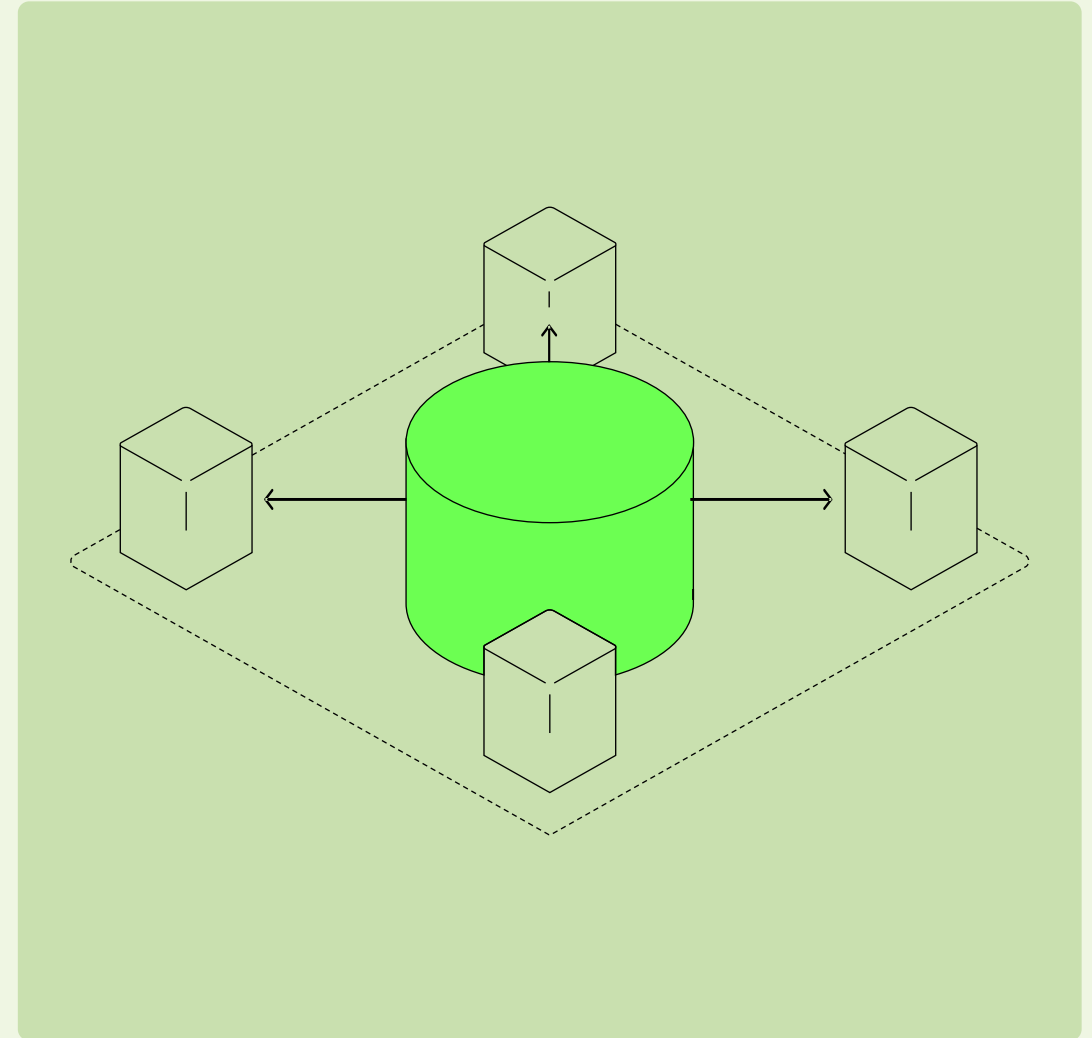
01	Open Source	↗
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Your partner in open-source data platforms

Meshly was founded to help companies to leverage the full scale of the benefits of open-source data-platforms.

The founding team carries decades of experience in mission critical, large scale environments including defence.

We are a part of the Reaktor ecosystem.



01 Open Source

Free

Amateurish

Vendor-
Free

Innovative

High
Quality

Low
Quality

Secure

Insecure

No Support

Unpredictable

No
Documentation

Expensive

Meshly

Open Source

The Definition

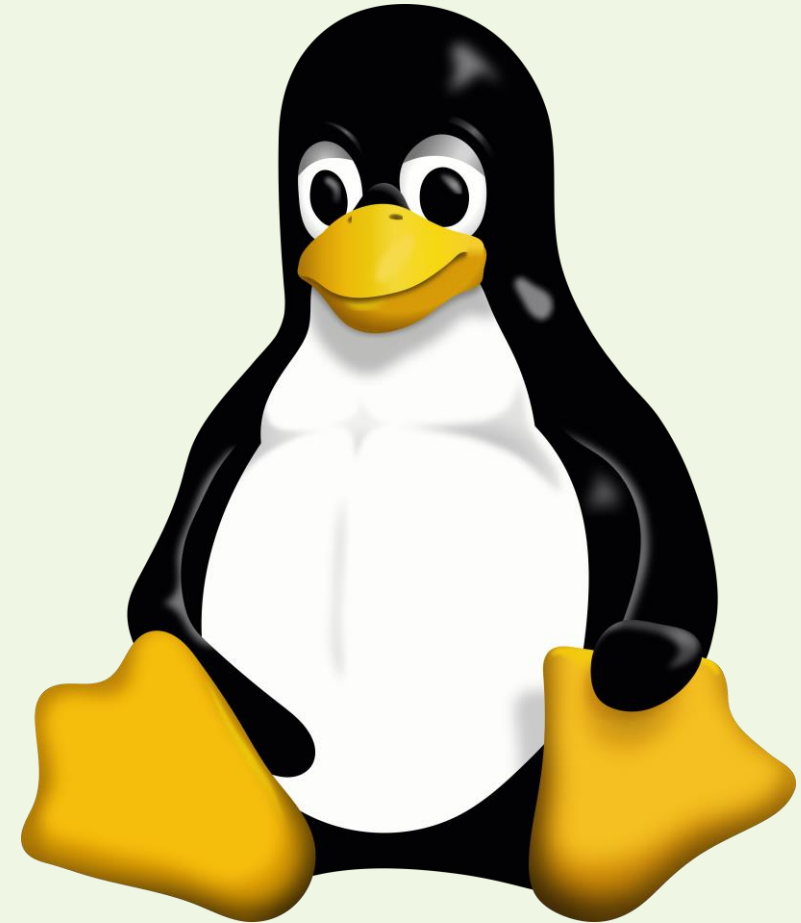
- Source code is available
- The product carries a license
- The product can be developed by the community

The Realization

- Deployable software products
 - Firefox, Gimp, Linux, PostgreSQL...
- Libraries and modules
 - React, NumPy, Log4j...
- Documentation
- Standards and protocols
 - Parquet, JSON, XML, ODF...

The Adoption of OSS

- OSS is widely adopted in the IT industry
- Linux is perhaps the most well-known example
- Many infrastructure solutions are built on OSS components
- Especially data platforms are widely adopted
 - This is interesting, because ML/AI/Data carry the top-notch innovation
 - Many enterprises couldn't keep up and have reverted to an OSS-stack.



02 Utilizing OSS in Business

Why Companies Choose Open Source

Key Strategic Questions

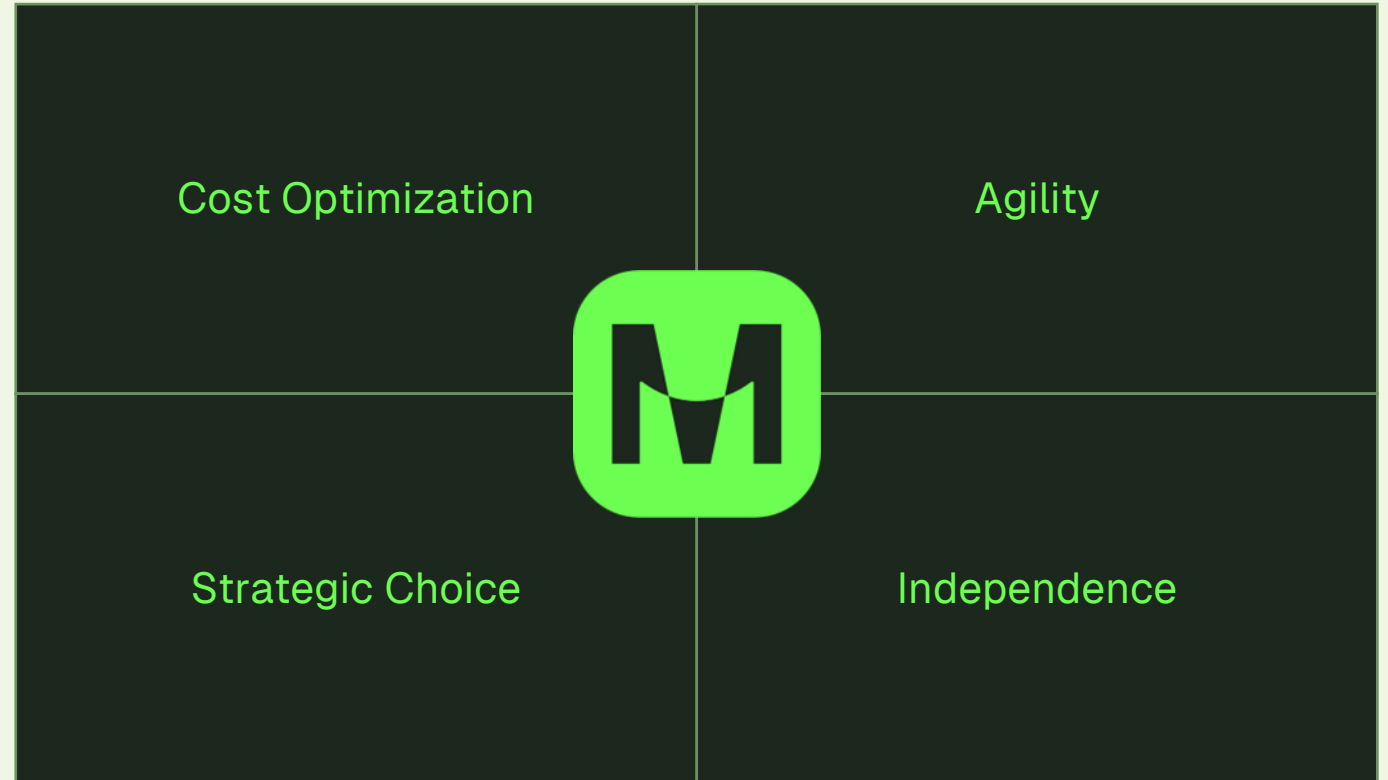
- Who should control our technology roadmap?
- Where should our technology investments go?
- How will we differentiate in the market?
- How fast do we need to move?

Open-Source's Strategic Benefits

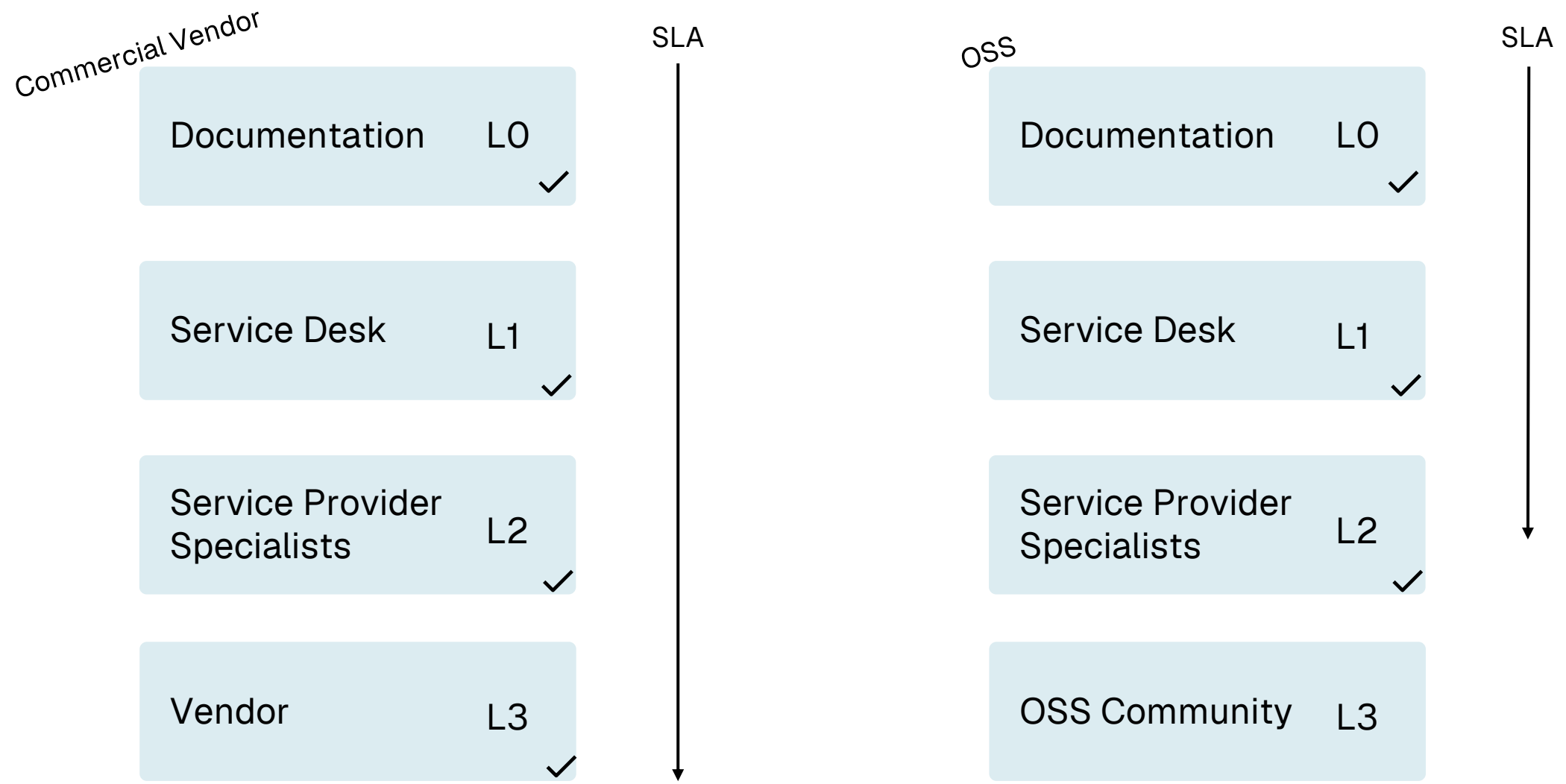
- Full control over your technology direction
- Investment in capabilities, not licenses
- Freedom to build unique solutions
- Immediate access to innovation

Ways to Adopt

- Operative: Use OSS-components and products to save in direct costs
- Business agility: OSS-components are directly deployable
 - No procurement
 - Newest innovation at hand
 - Fast and cheap try-outs
- Strategic choice: OSS is built-in in your organization
 - Community utilization
 - Talent attraction
 - Strong inhouse capabilities
- Independence
 - Avoid vendor lock-ins
 - Control your data



The No-Vendor Dilemma



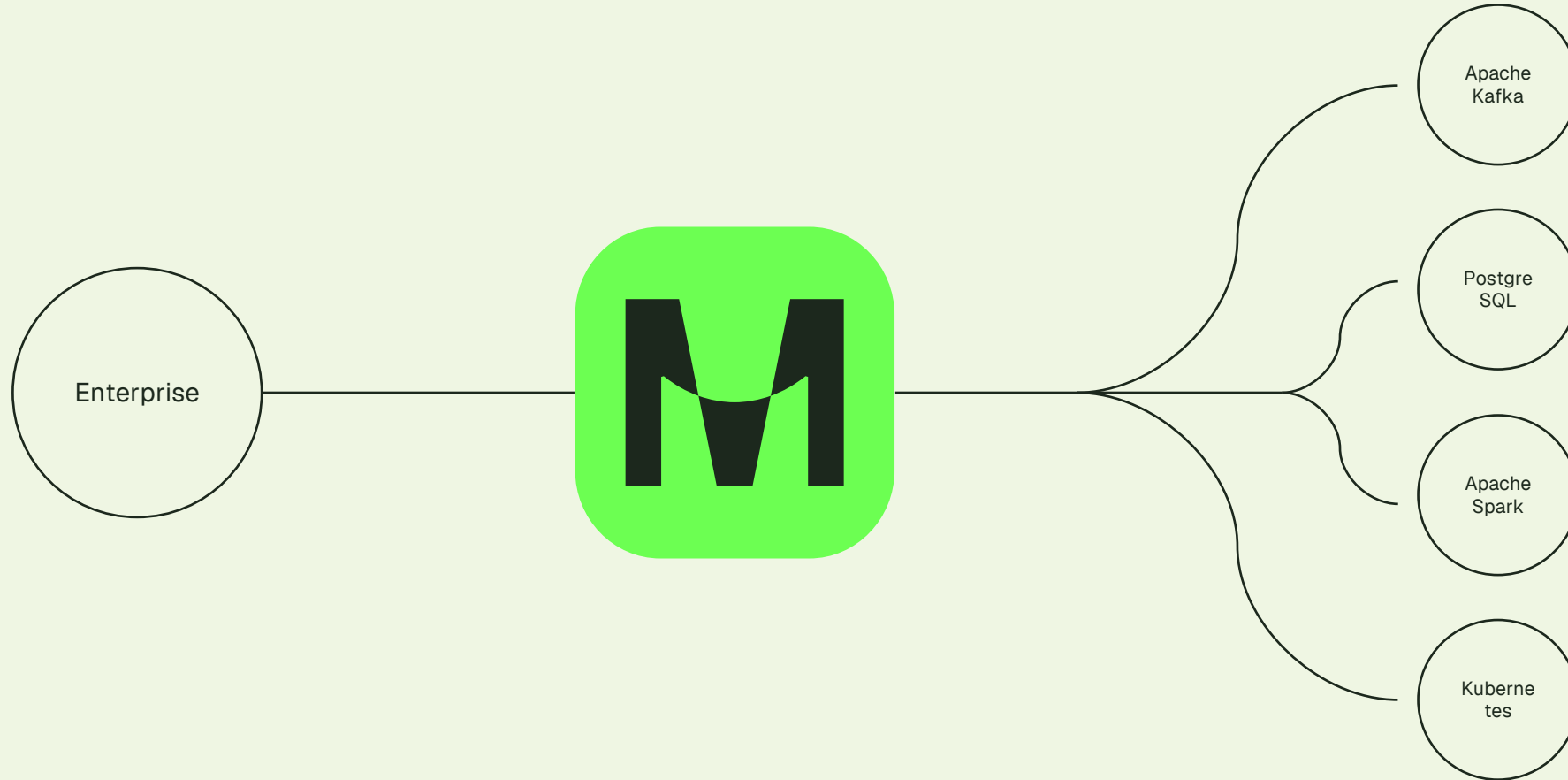
The “Netflix-model”

Can you afford a dedicated OSS team?

- High cost of expertise
- Complex ecosystem
- Continuous maintenance
- Security concerns
- Resource allocation



Bridging enterprises with open-source data platforms



03 OSS Data Platforms

OSS Data Platforms

OSS data platforms are from big names

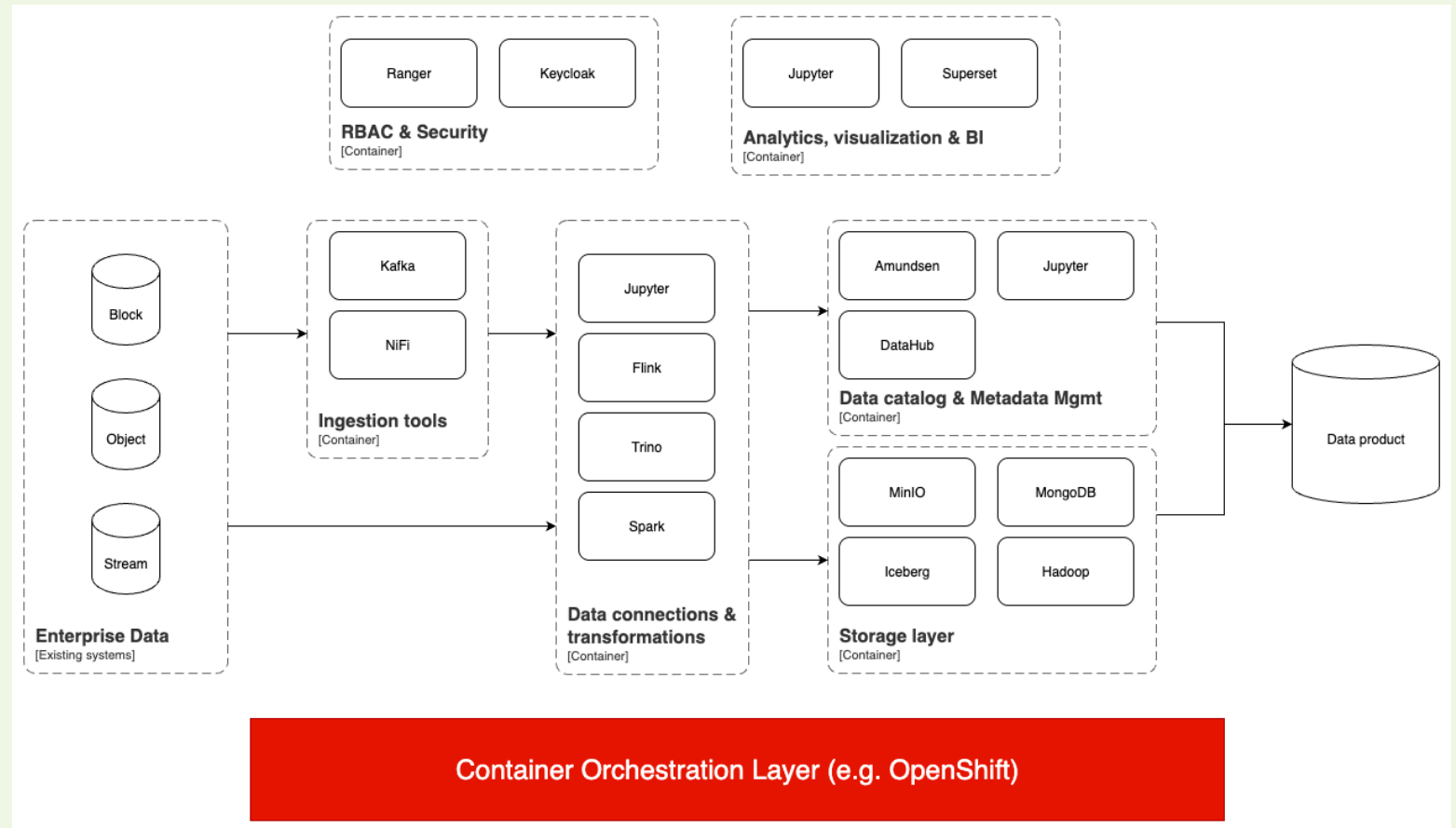
- Netflix built Iceberg,
- LinkedIn built Kafka,
- Meta built Trino,
- IBM owns RedHat, the largest Linux distribution

Innovation At Scale

- Netflix's whole data platform is OSS, giving them the flexibility they need to customize the stack for their customer needs[1]
- Netflix migrated exabytes of their data with 3M+ tables from Presto to Trino[2]
- Shopify migrated Hive to Iceberg, 95% reduction in execution times[3]
- 96% of commercial code bases contain OSS[5]

OSS Data Platform - Tech Stack Example

The tech stack for a data platform doesn't have a single fit-for-all approach, but standardized solutions exist. This example has multiple choices, which can be tailored to best fit your existing infrastructure.



04 Conclusions

Key Takeaways

Not free, but different

No procurement does not free you from other costs. Be realistic.

Have a clear approach

Not many need to establish OSS-teams, but many can benefit from OSS-based agility. Choose your path.

Freedom comes with responsibility

Once you are free from a vendor, you need to ensure correct support model and control structure.

Balance inhouse and outsourced capabilities

OSS technology landscape is wide. Have a clear cut what competence to build and what to buy.

05 Discussion



Thank you