



Metadata and the Rise of Big Data Governance: Active Open Source Initiatives

October 23, 2018

Today's speakers

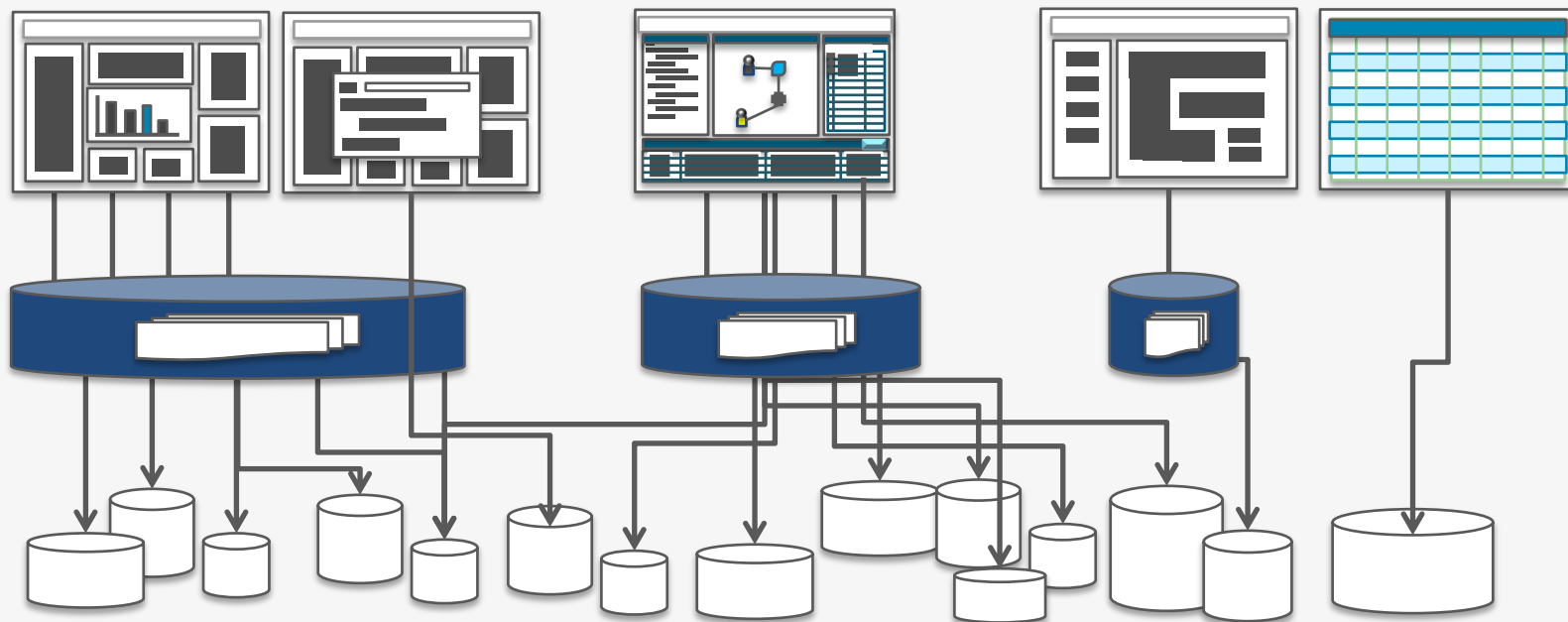


John Mertic,
Director of Program
Management, Linux
Foundation



David Radley, ODPI
Egeria maintainer,
IBM

Today's reality



Imagine ...

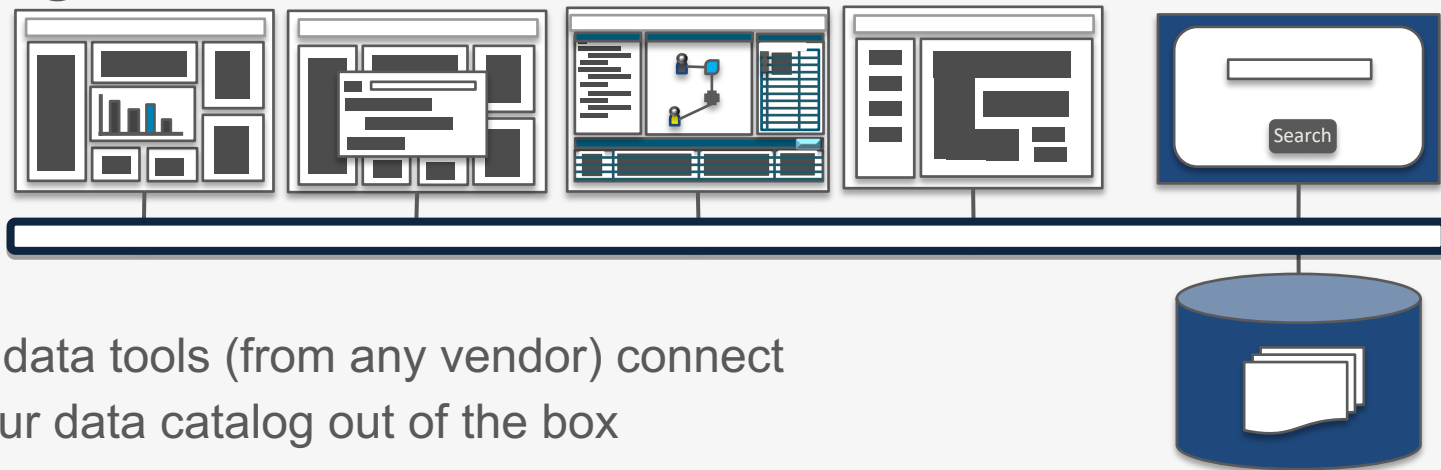
An enterprise data catalog that lists all of your data, where it is located, its origin (lineage), owner, structure, meaning, classification and quality

Spanning systems both on premises and within cloud providers

Hosted locally to your data platforms but integrated to provide the enterprise view



Imagine ...



New data tools (from any vendor) connect
to your data catalog out of the box

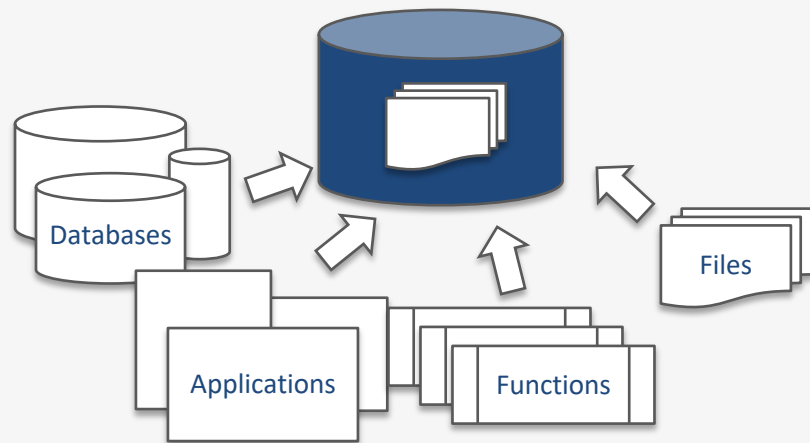
No vendor lock-in; nor expensive population of “yet another” proprietary siloed metadata repository

Imagine ...

Metadata is added automatically to the catalog as new data is created

Extensible discovery processes characterise and classify the data

Interested parties and processes are notified

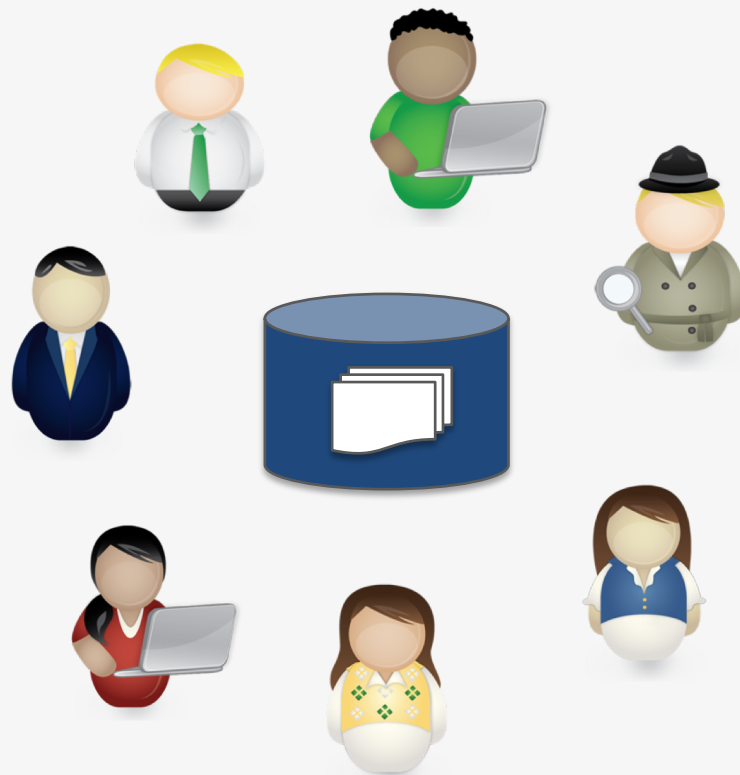


Imagine ...

Subject matter experts collaborating
around the data

Locating the data they need, quickly and efficiently

Feeding back their knowledge about the data and the
uses they have made about it to help others and
support economic evaluation of data



Imagine ...

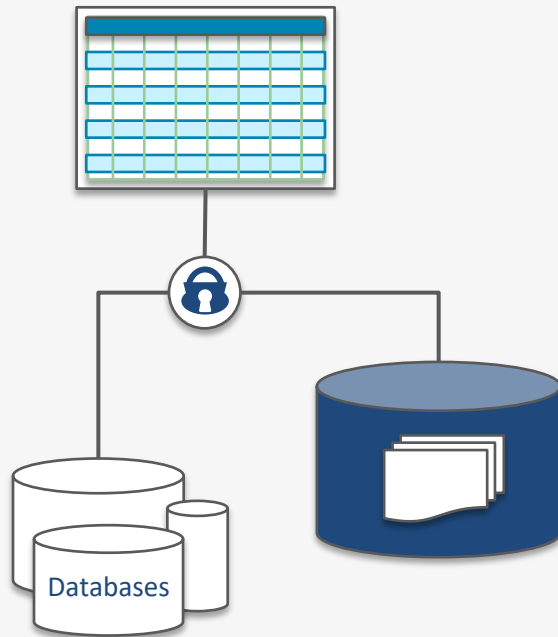
Automated governance processes protect and manage your data

Metadata-driven access control

Auditing, metering and monitoring

Quality control and exception management

Rights management



A new manifesto for metadata and governance!

Metadata management must be automated

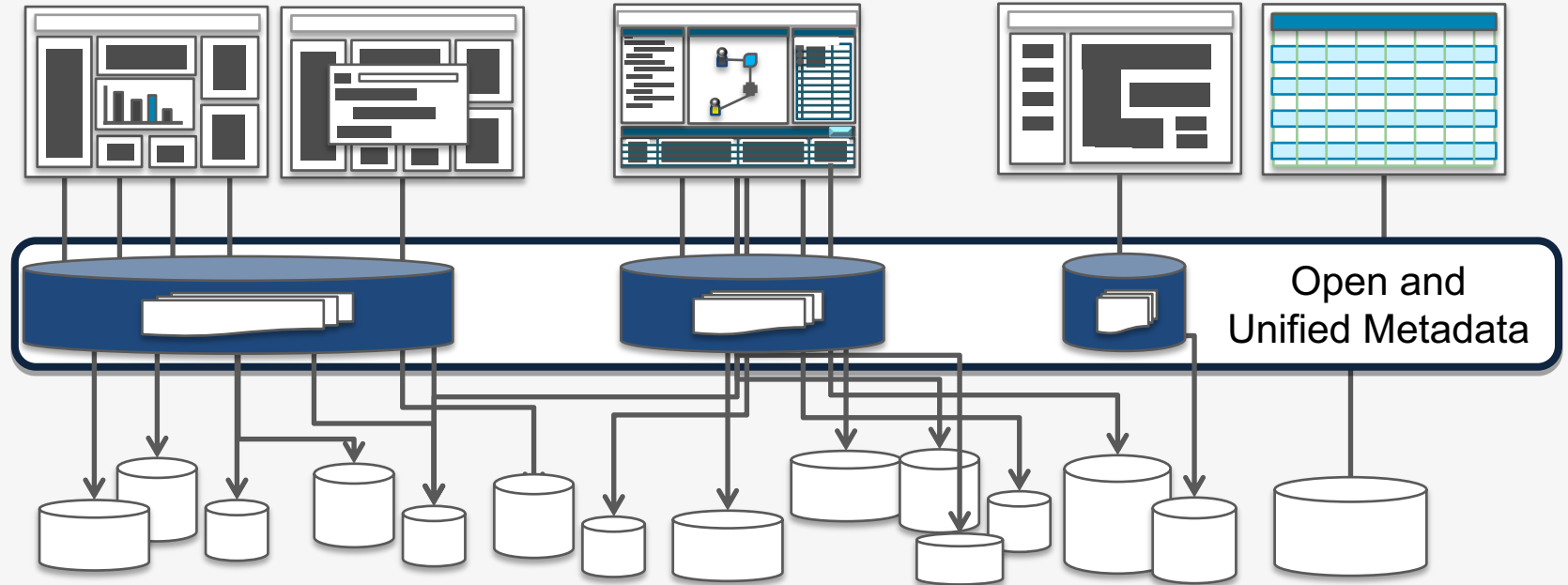
Metadata management must become ubiquitous

Metadata must become open and remotely accessible

Metadata should be used to drive the governance of data

The discovery, maintenance and use of metadata has to be an integral part of all tools that access, change and move information.

How will this be achieved?



Open metadata management ecosystem

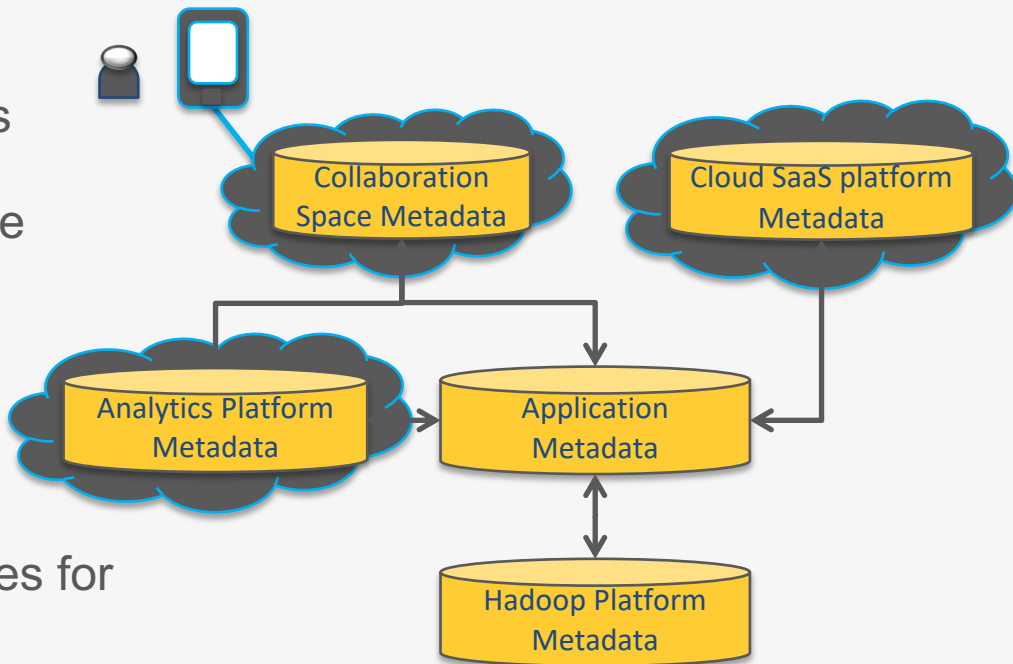
Peer-to-peer network of repositories

Metadata stored and managed close to its source

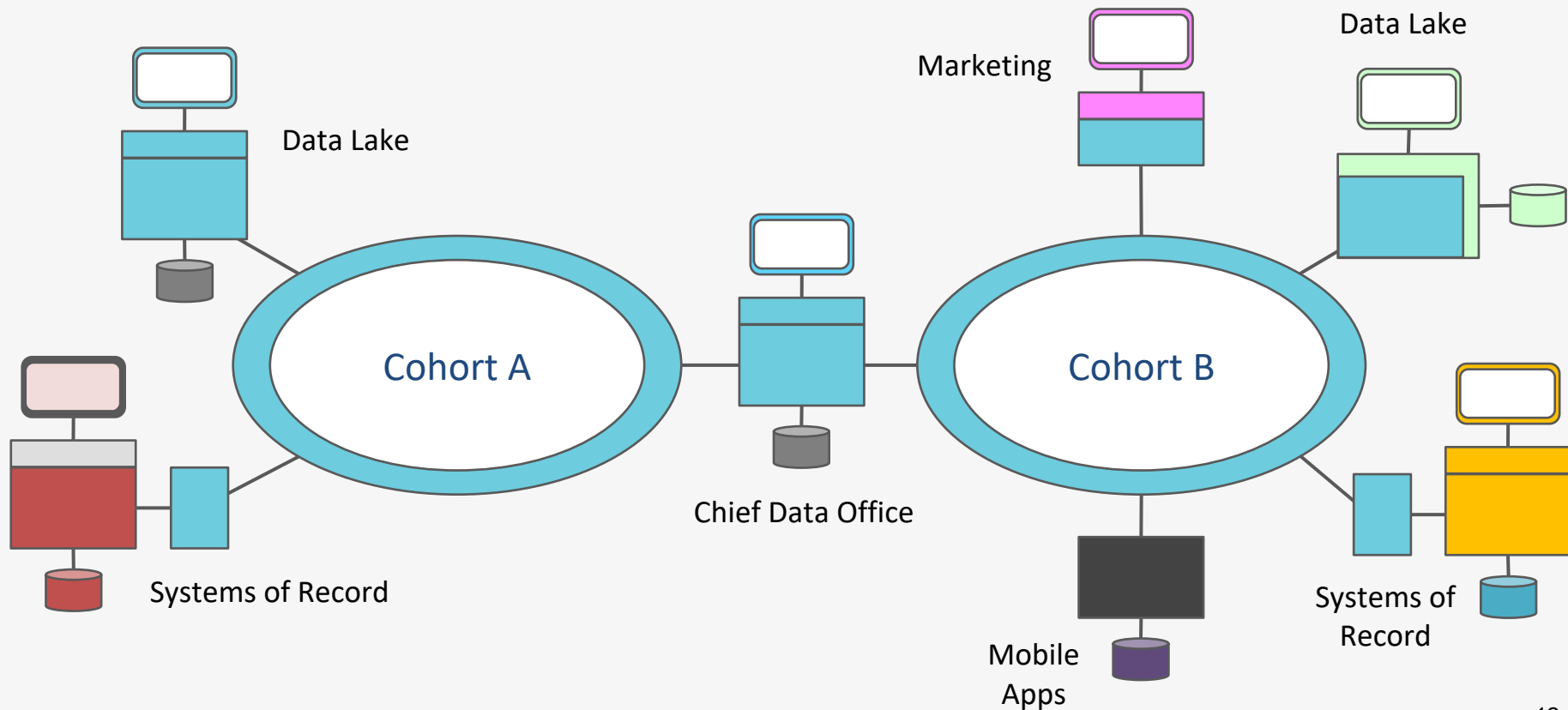
Each repository/tool brings unique value.

Open, extensible metadata structures for metadata exchange and federation

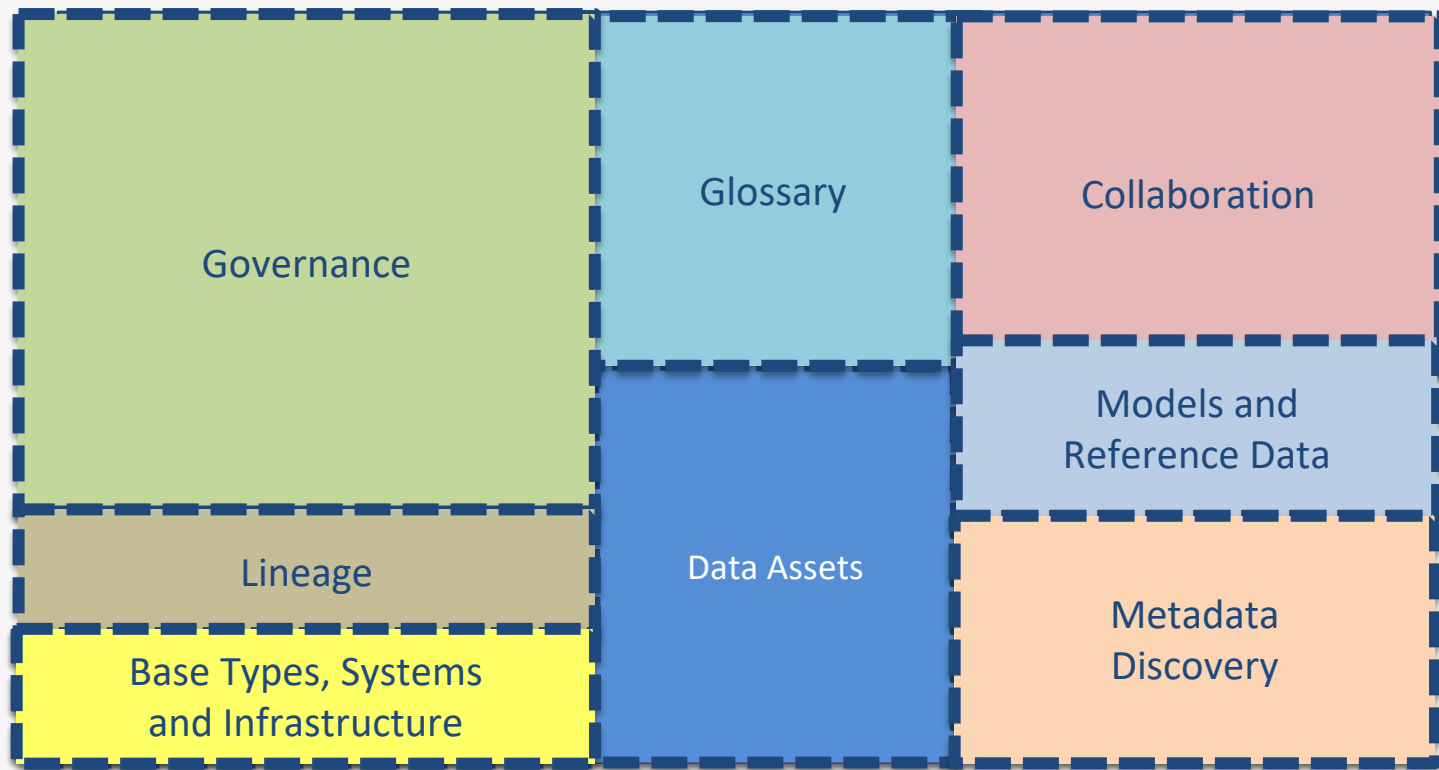
Open source infrastructure sharing cost of development and maintenance



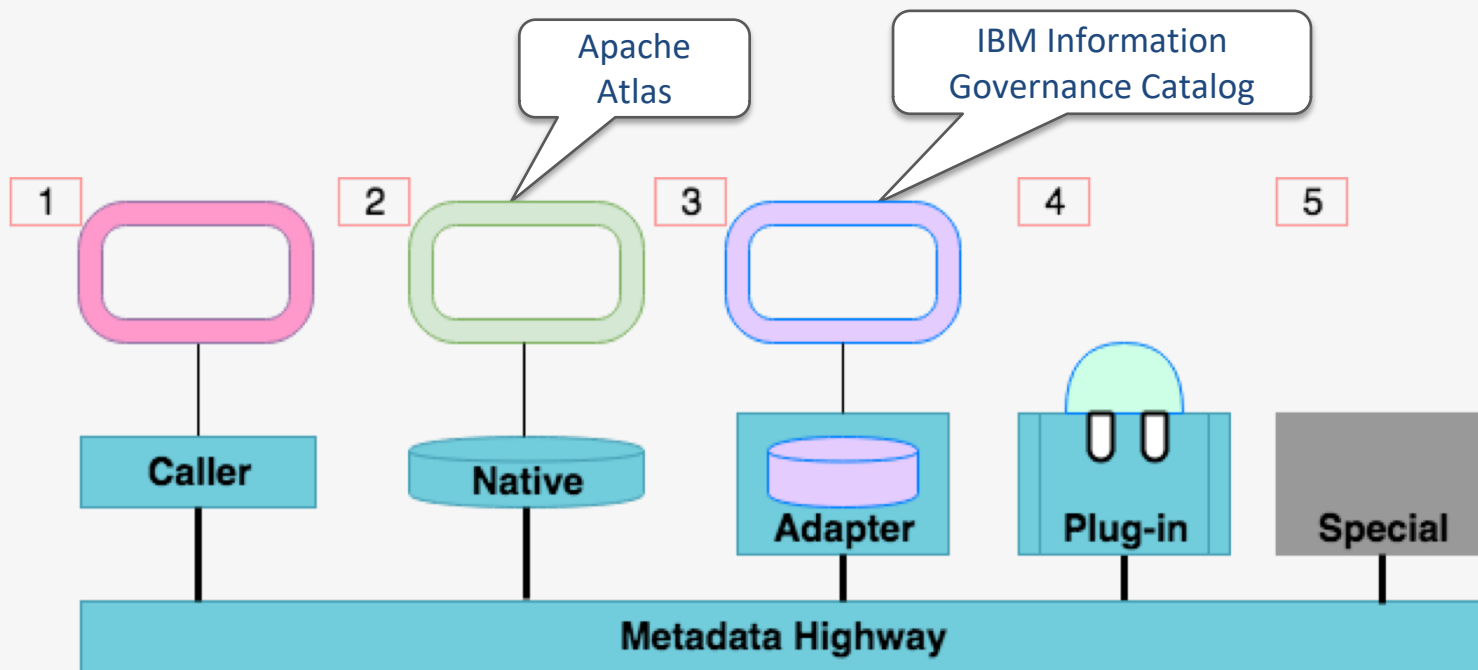
Making Metadata Available to the Enterprise!



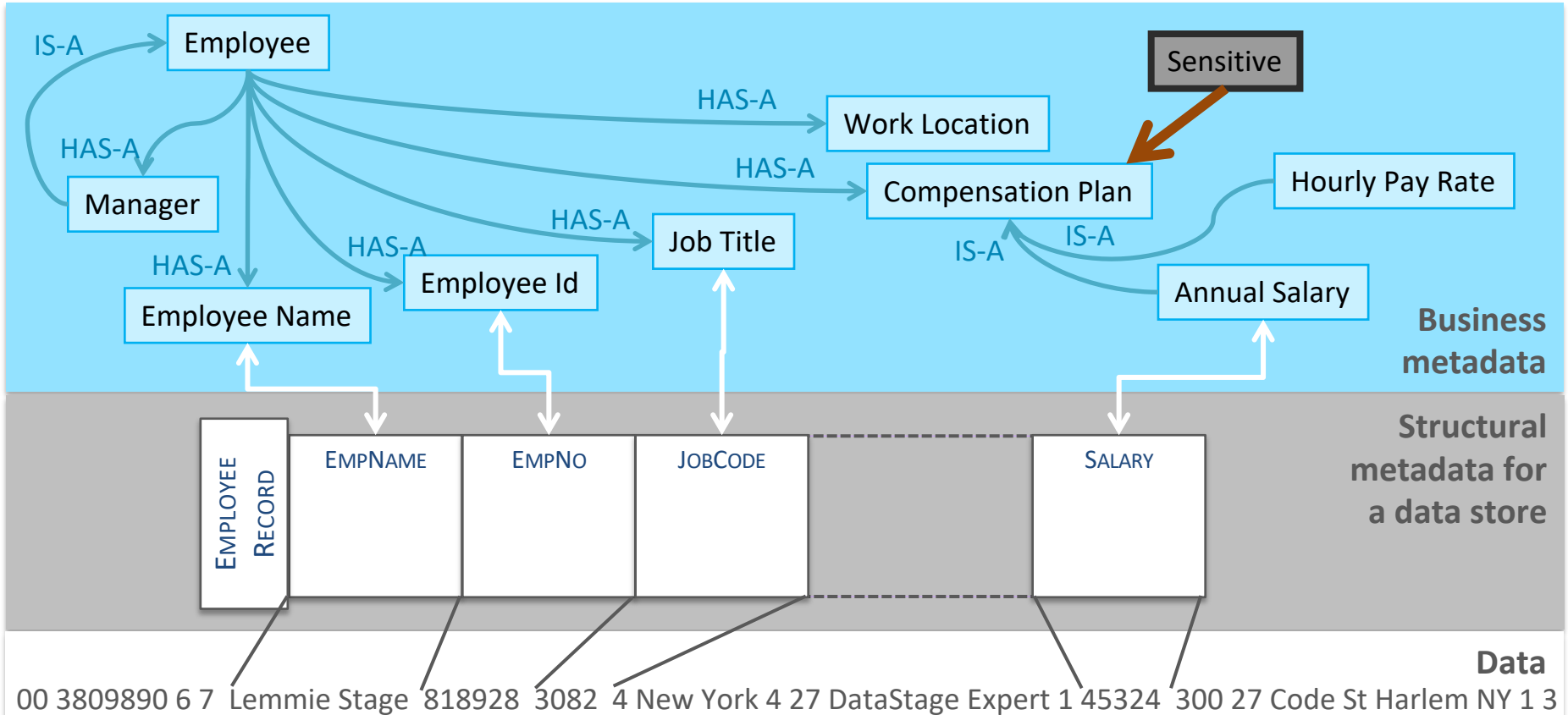
Open metadata data model



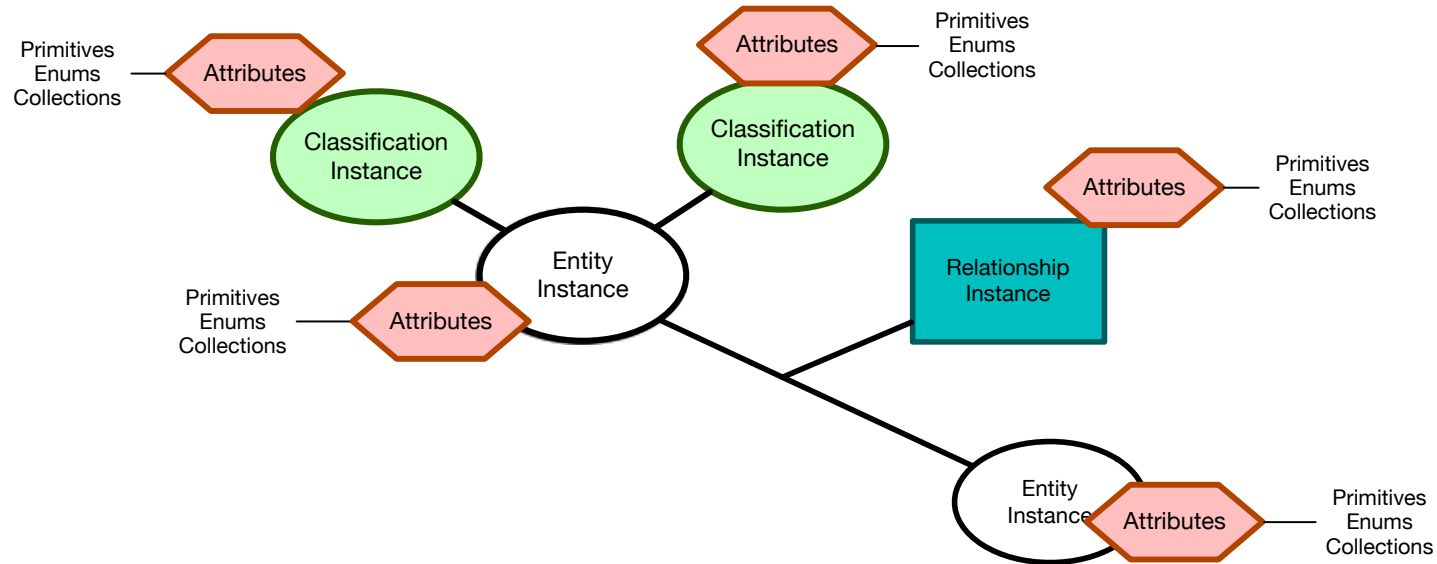
Open metadata and governance integration patterns



Business meaning of the underlying assets



Instance representations in Open Metadata Resource Services (OMRS)



Open Source Collaboration through ODPi

ODPi is the vendor neutral home for Egeria.

Governance is open to all in the data governance community

Vendors

End-users

Privacy/governance experts



Code is available under an Apache 2.0 license and documentation under a CC-BY-4.0 license

Join the effort at <https://github.com/odpi/egeria>

How this helps

Data Governance Professionals

Your governance program is based on established definitions

Allow a broader range of tools in your organization

Automated governance processes protect and manage your data

- Metadata-driven access control

- Auditing, metering and monitoring

- Quality control and exception management

- Rights management

Vendors

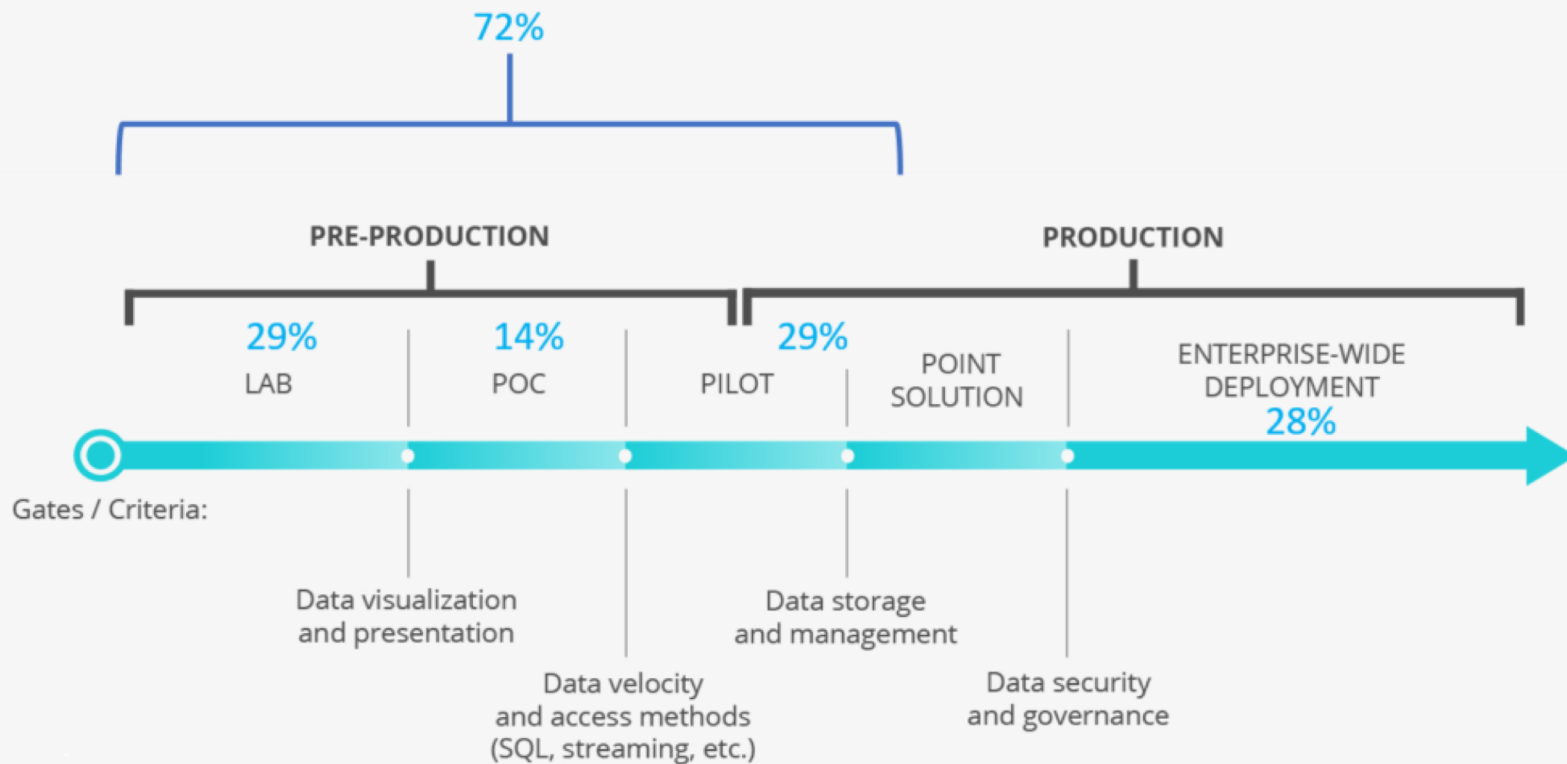
Your metadata offerings will deliver value faster as they tap into metadata collected by other vendor's tools.

ODPi packages extend your metadata system's and tools' capabilities

Conformance tests minimize your effort in being compliant with key standards and regulations.

Customers have increased confidence in your tools and services due to ODPi certification.

ODPi – A neutral home for collaboration



Look to The Linux Foundation



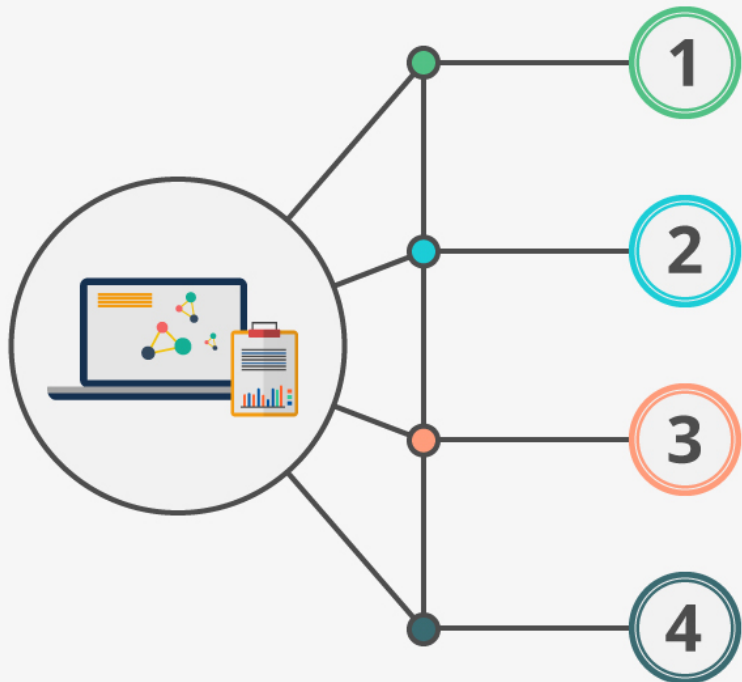
Thankfully, that's where The Linux Foundation® comes in. For nearly two decades, The Linux Foundation has provided unparalleled support for open source communities through financial and intellectual resources, governance structure, IT infrastructure, services, events, and training.

Dedicated to building sustainable ecosystems around open source projects, The Linux Foundation is working with the global technology community to solve the world's hardest problems through open source and creating the largest shared technology investment in history.

The Linux Foundation is the umbrella organization for more than 60 open source projects accelerating open technology development and commercial adoption. Some of the game-changing initiatives hosted by The Linux Foundation include:



Get involved!



1

Check out ODPi Data Governance on GitHub
<https://github.com/odpi/data-governance>

2

Learn more about Egeria
<https://odpi.github.io/egeria/>

3

Follow the discussion
<https://lists.odpi.org/g/odpi-pmc-datagovernance>

4

Have your organization support ODPi
<https://lists.odpi.org/about/join>



Questions?



THANK YOU!

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