#pw2025

Power Week 2025

18 - 19 - 20 novembre 2025

IBM Innovation Studio Paris

S78 – Watsonx.data on POWER

20 novembre 13:45 - 14:45

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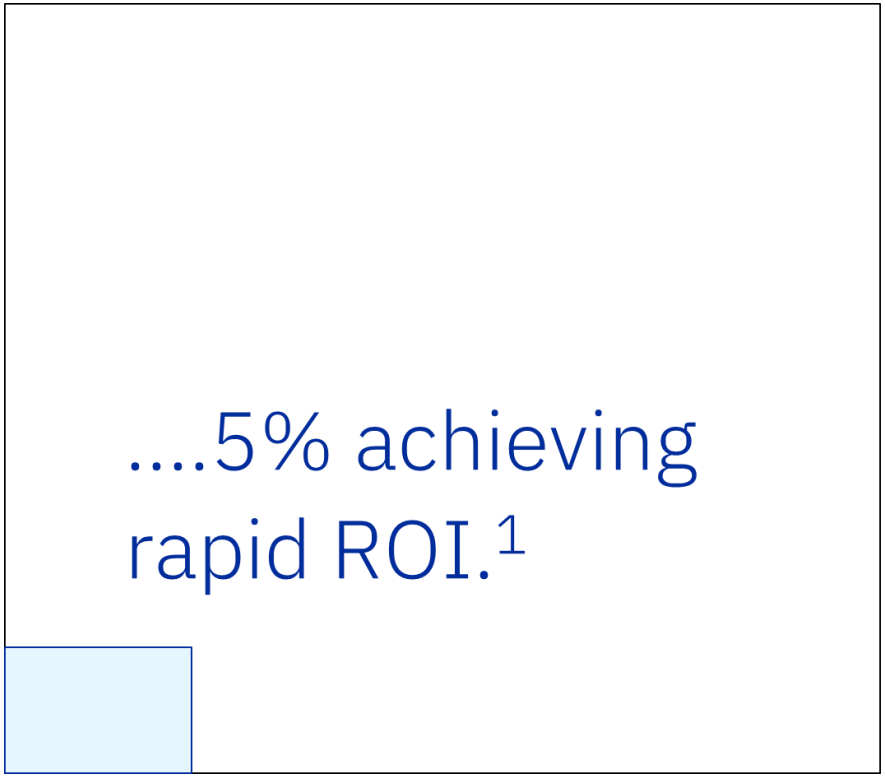
IBM

common FRANCE

Nearly all enterprise pilots are stuck at the starting line

with only...



1. The GenAI Divide, STATE OF AI IN BUSINESS 2025

The time for scaling AI is *now* but enterprises face obstacles.

TOP 3 OBSTACLES

Data & integration complexity

Skills

Security & compliance

Source: Deloitte, "*The State of Generative AI in the Enterprise*", 2024.

Enterprises have growing challenge to manage Data complexity

Key challenges

- Multiple data sources
- Multiple data formats
- Multiple ETL tools
- Multiple data management tools
- Multiple locations
- Multiple skills
- Diverse requirements of data consumers

Only **1%**

of enterprise data is currently being leveraged for gen AI(1)

90%

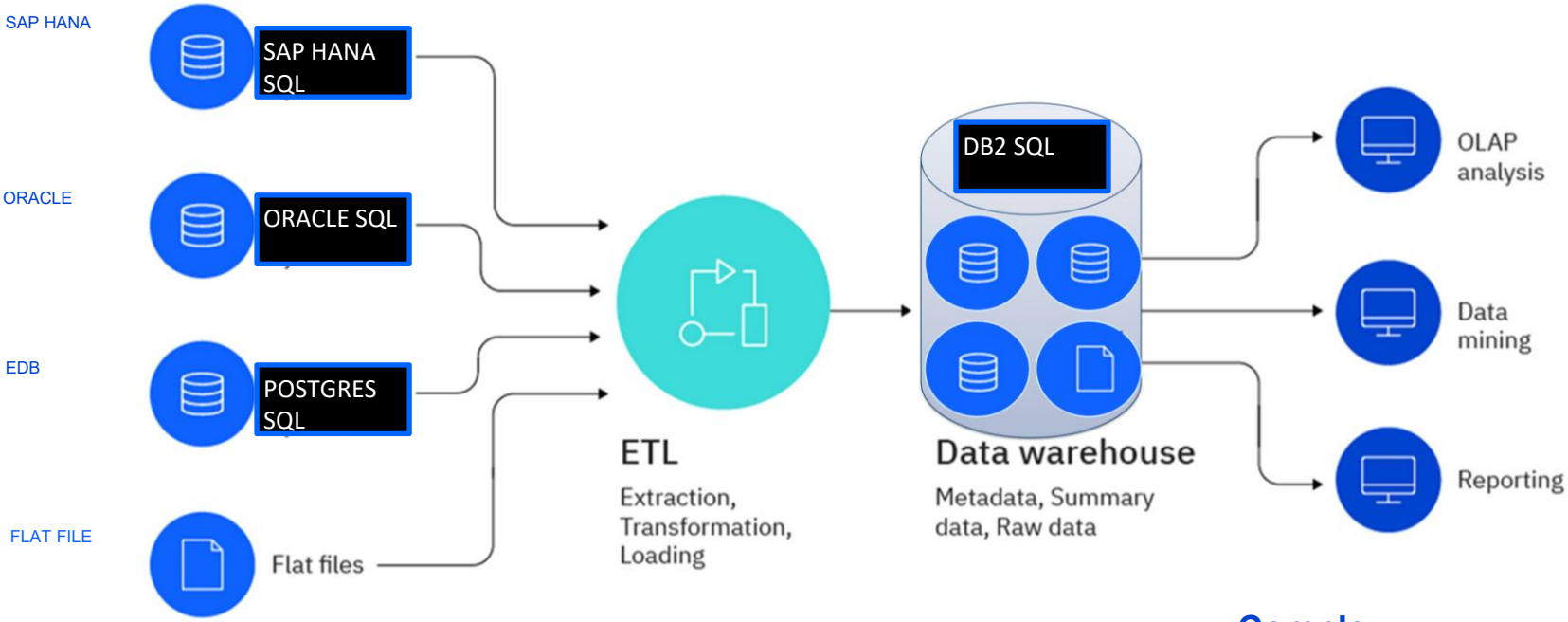
of all enterprise-generated data is **unstructured** growing at **3x** the rate of structured data (2)

60%

of tech leaders **do not** believe their enterprise data meets the **accessibility, quality** and **security** (2)

1 IDC, UNTAPPED VALUE: What Every Executive Needs to Know About Unstructured Data, Aug 2023
2 IBV *The 2024 CxO Study. 6 blind spots tech leaders must reveal: How to drive growth in the generative AI era*

Datawarehouse workflow

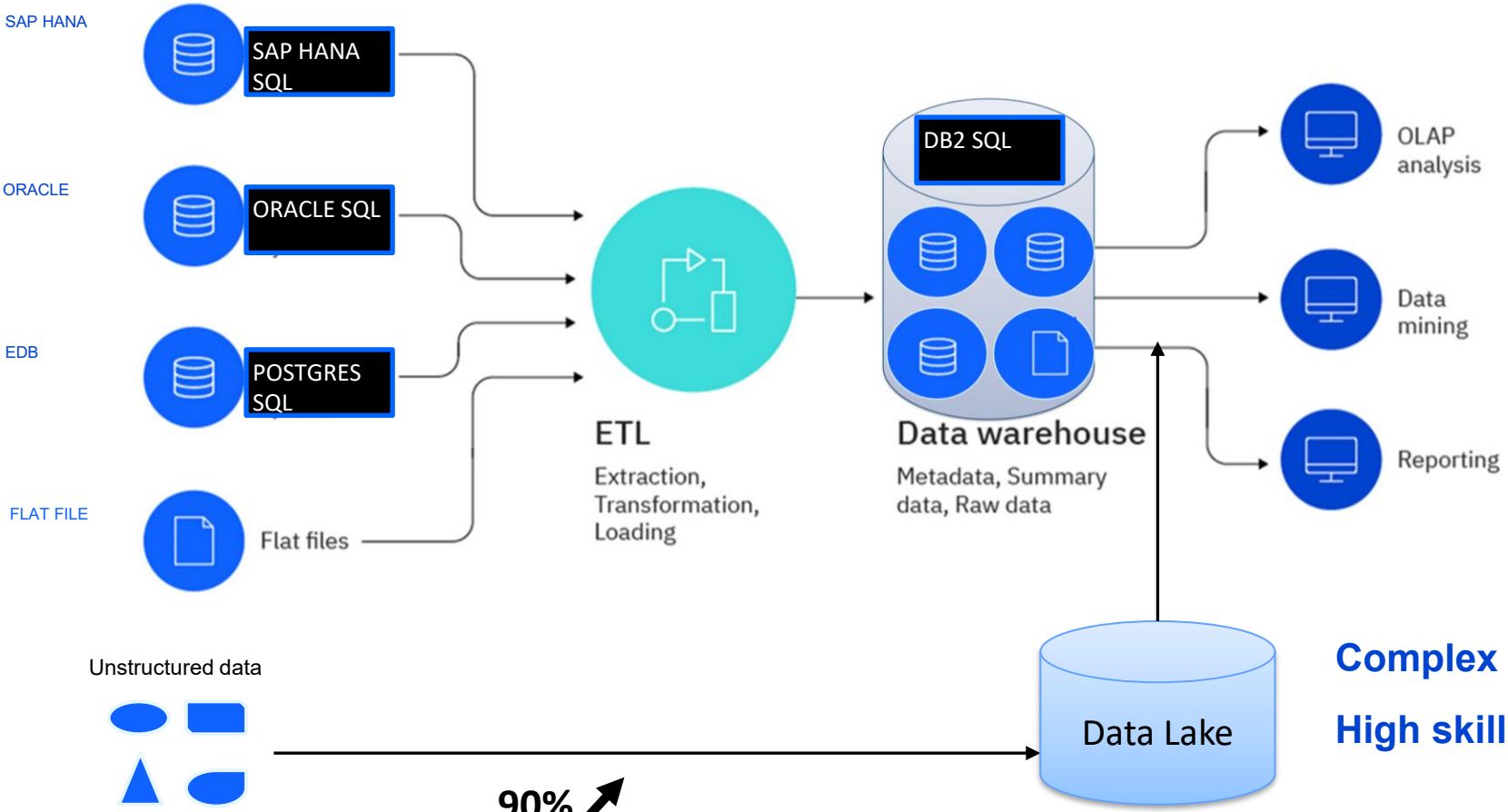


Complex

High skill solution :

Four sql languages required

Datawarehouse and Datalake workflows



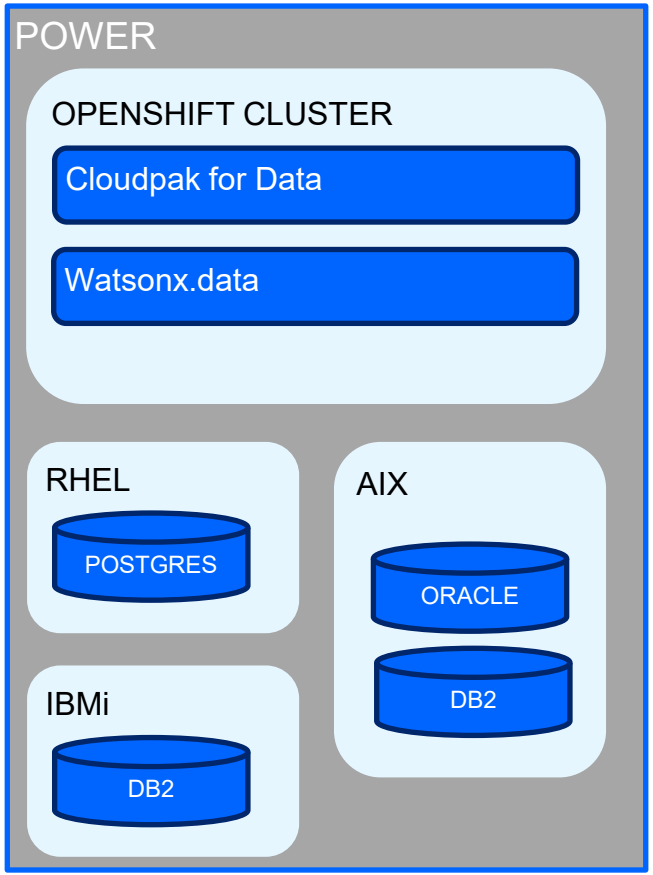
- Help enterprises put AI to work with **watsonx.data on Power**.

The only hybrid, open data lakehouse for enterprise AI and analytics

+

Trusted, Autonomous infrastructure running enterprise critical processes and data.

watsonx.data on Power

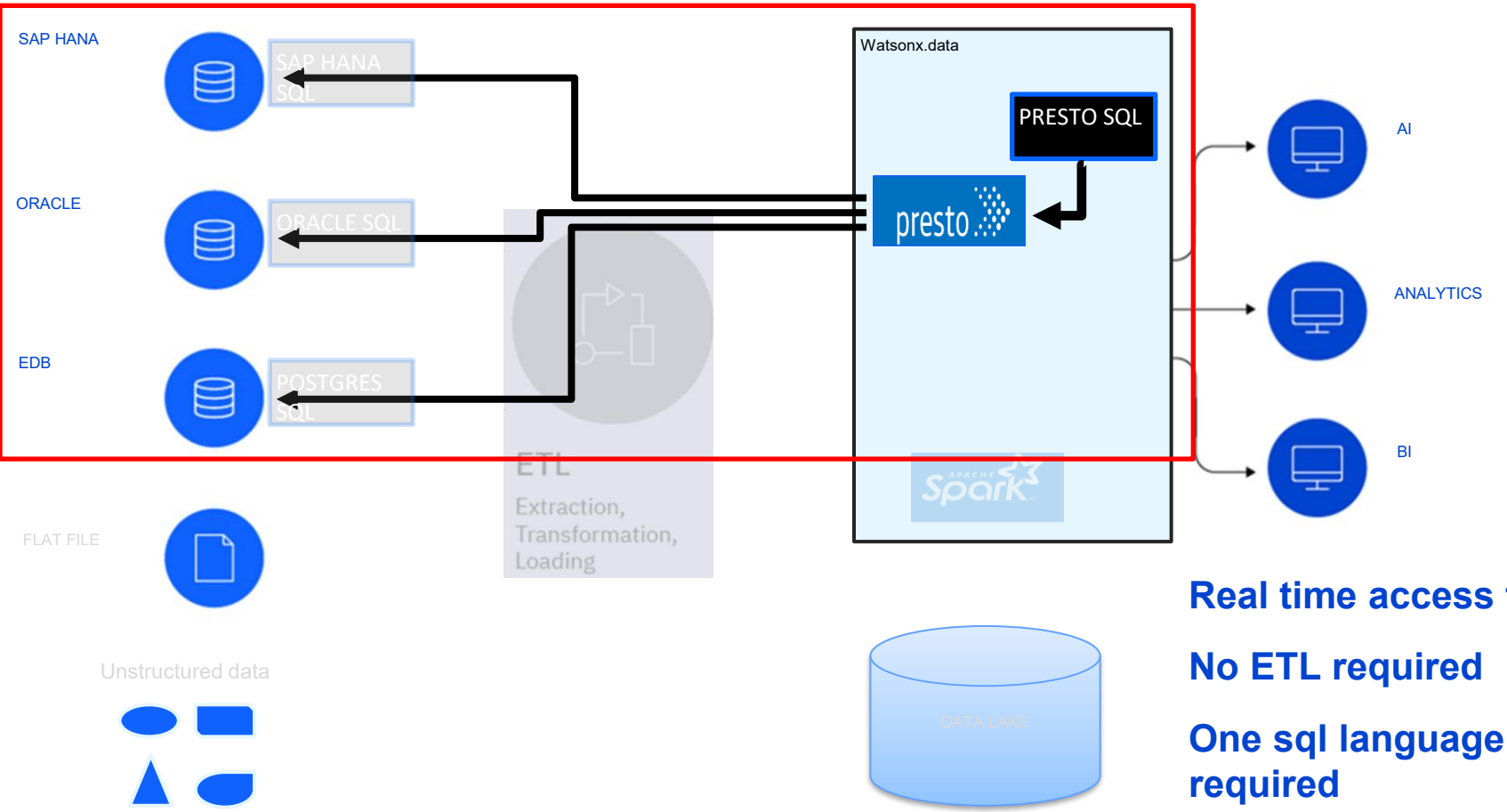


Watsonx.data is installed with Cloudpak for Data in an openshift cluster on IBM Power

Watsonx.data can run alongside your database workloads on the same server

Power *is/* prime *or* primed for data

Watsonx.data workflow for SQL

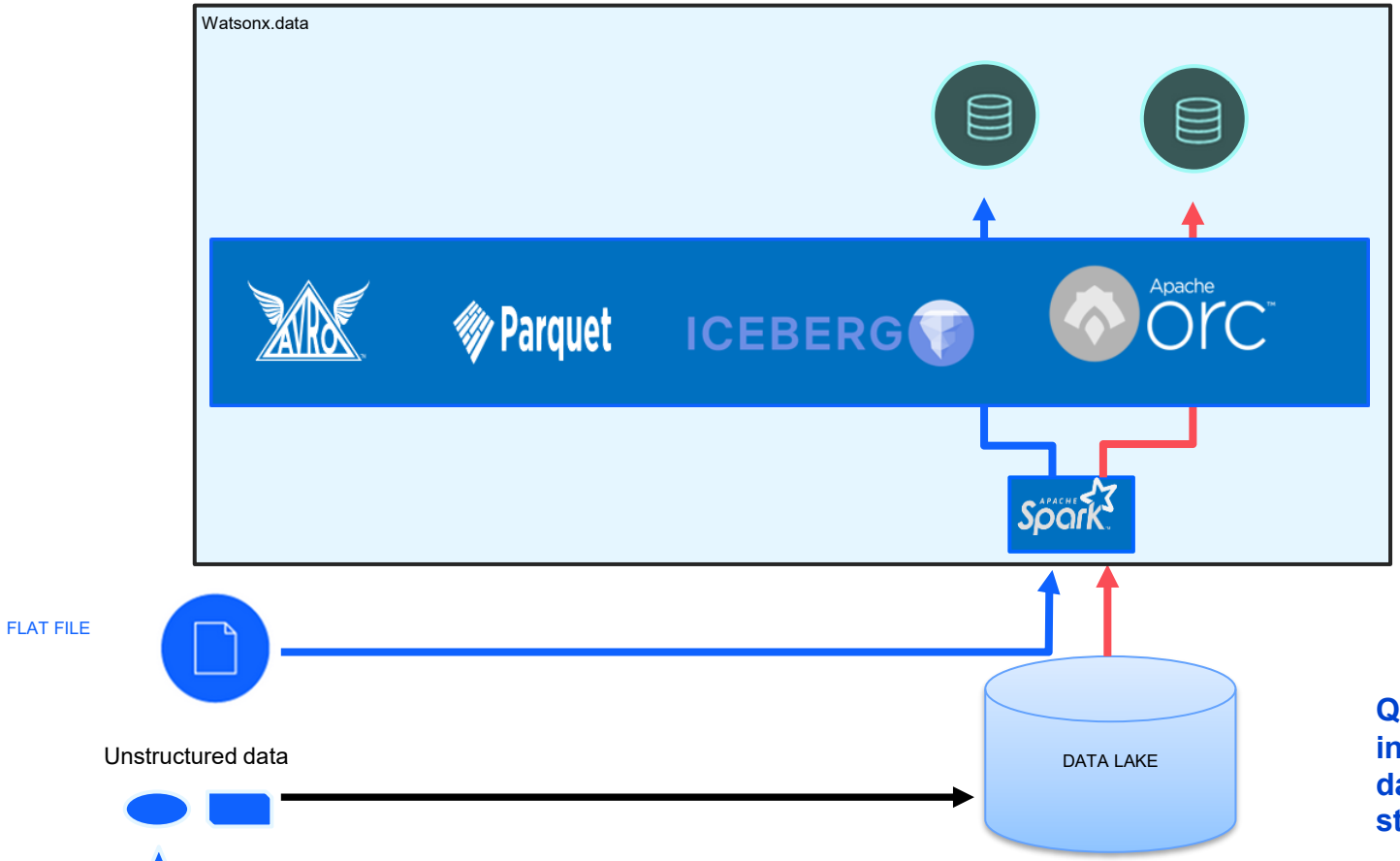


Real time access to data

No ETL required

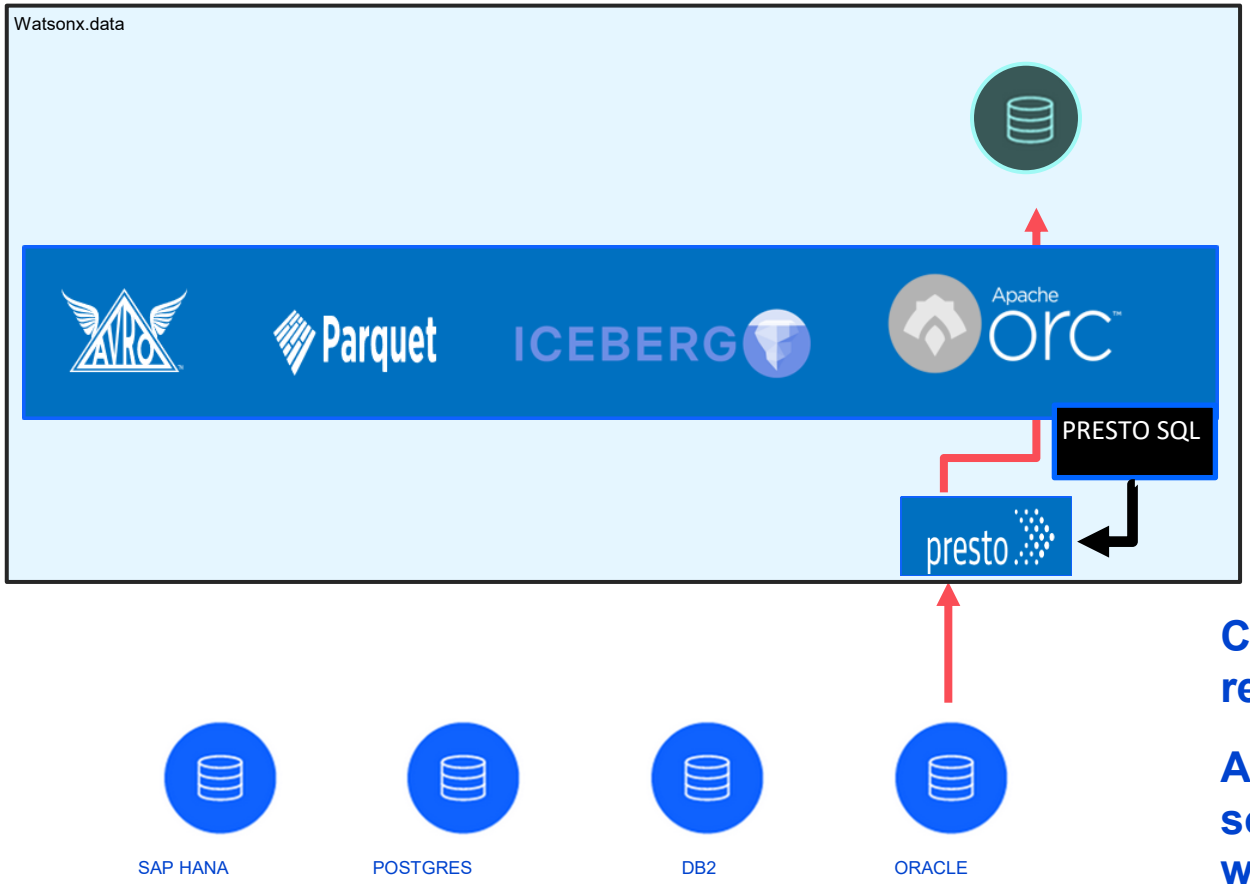
One sql language required

Watsonx.data Ingestion



Quick and easy data ingestion to open source databases running as standard in watsonx.data

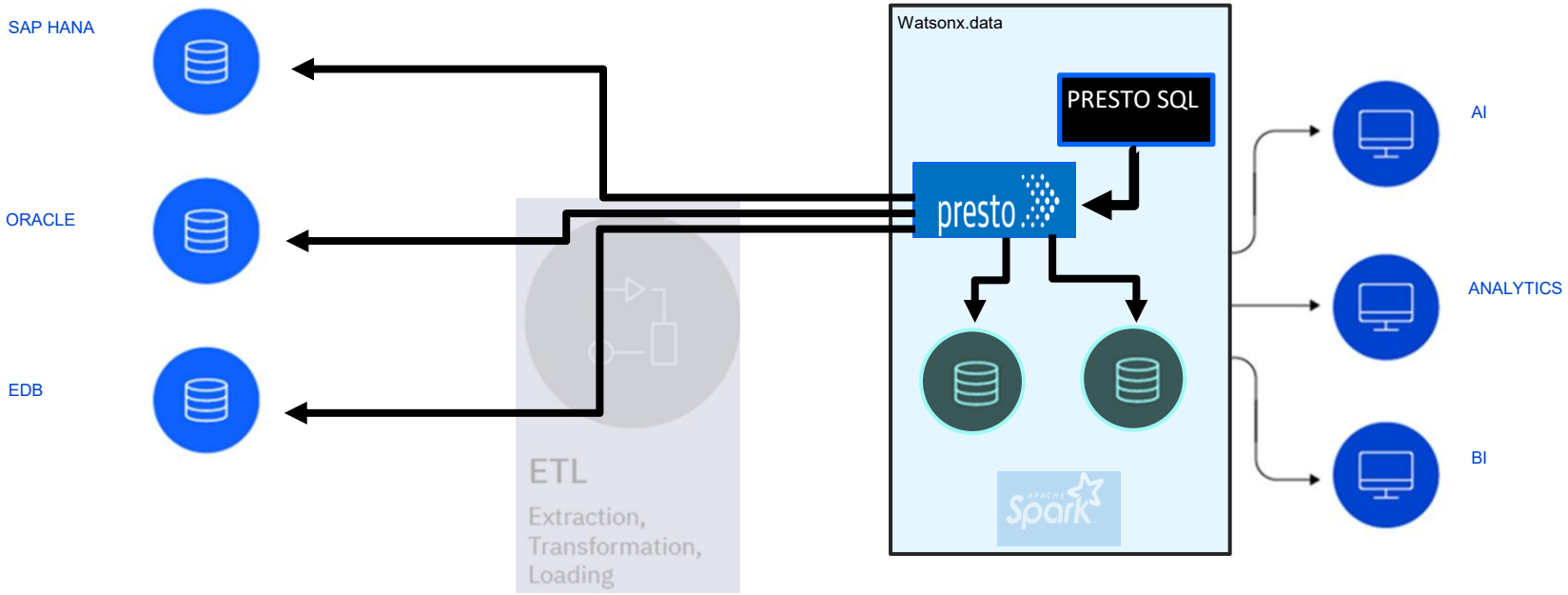
Watsonx.data copies of structured data to open source database formats



Copy data for reporting

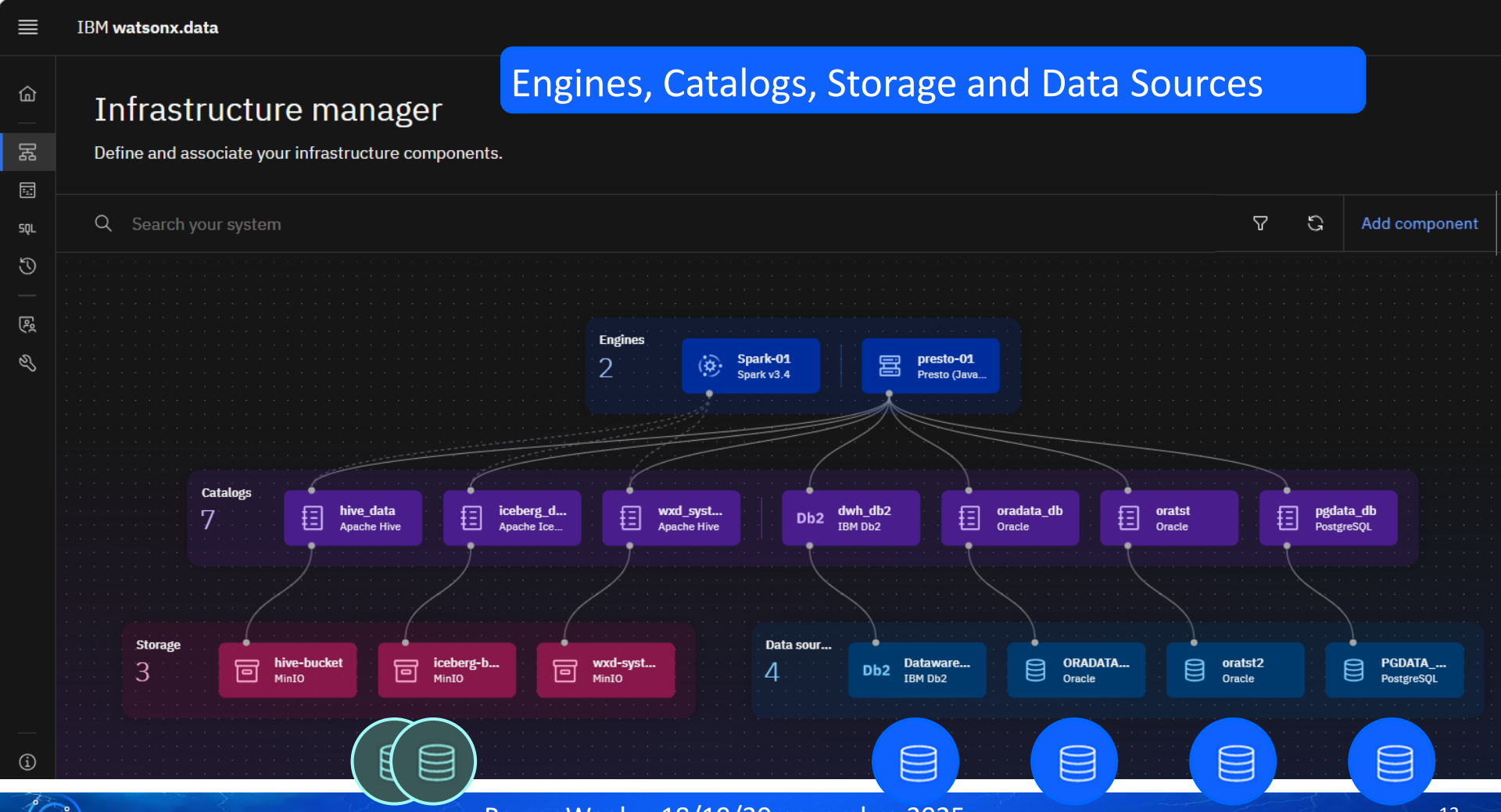
Archive data to open source databases on watsonx.data

Accessing data via Presto SQL in Watsonx.data



Combine data from multiple sources in a single query without ETL

Combine data stored in Watsonx.data with real time queries on other databases


IBM watsonx.data
Engines, Catalogs, Storage and Data Sources
Infrastructure manager
Define and associate your infrastructure components.
Search your system
Add component
Engines
2
Spark-01
Spark v3.4
presto-01
Presto (Java...
Catalogs
7
hive_data
Apache Hive
iceberg_d...
Apache Ice...
wxd_syst...
Apache Hive
dwh_db2
IBM Db2
oradata_db
Oracle
oratst
Oracle
pgdata_db
PostgreSQL
Storage
3
hive-bucket
MinIO
iceberg-b...
MinIO
wxd-syst...
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Data sour...
4
Dataware...
IBM Db2
ORADATA...
Oracle
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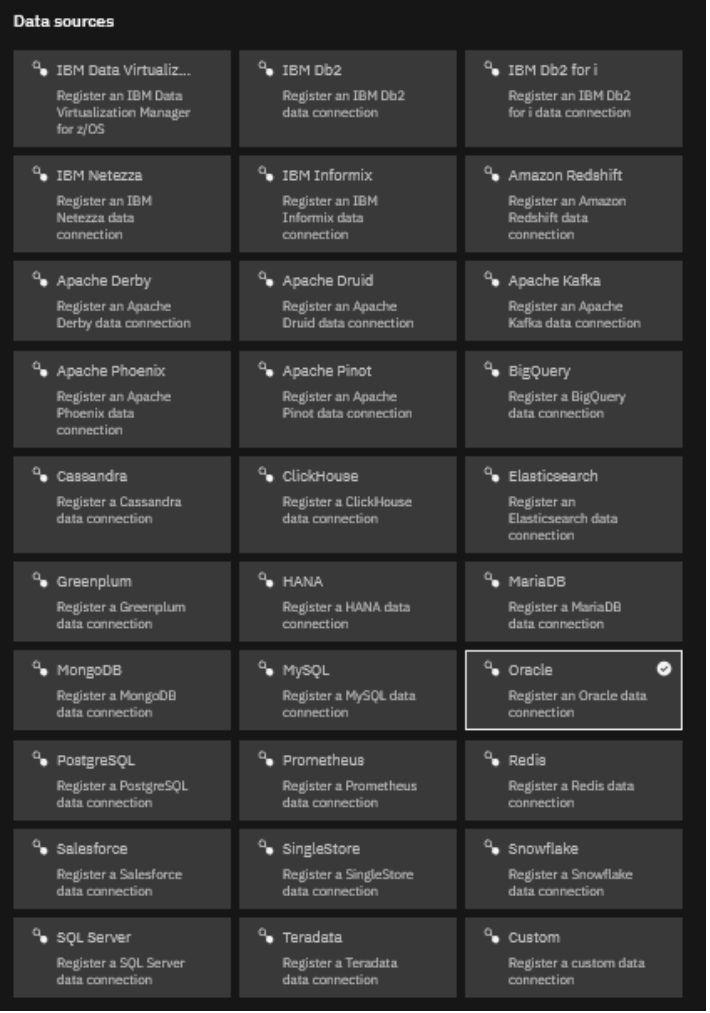
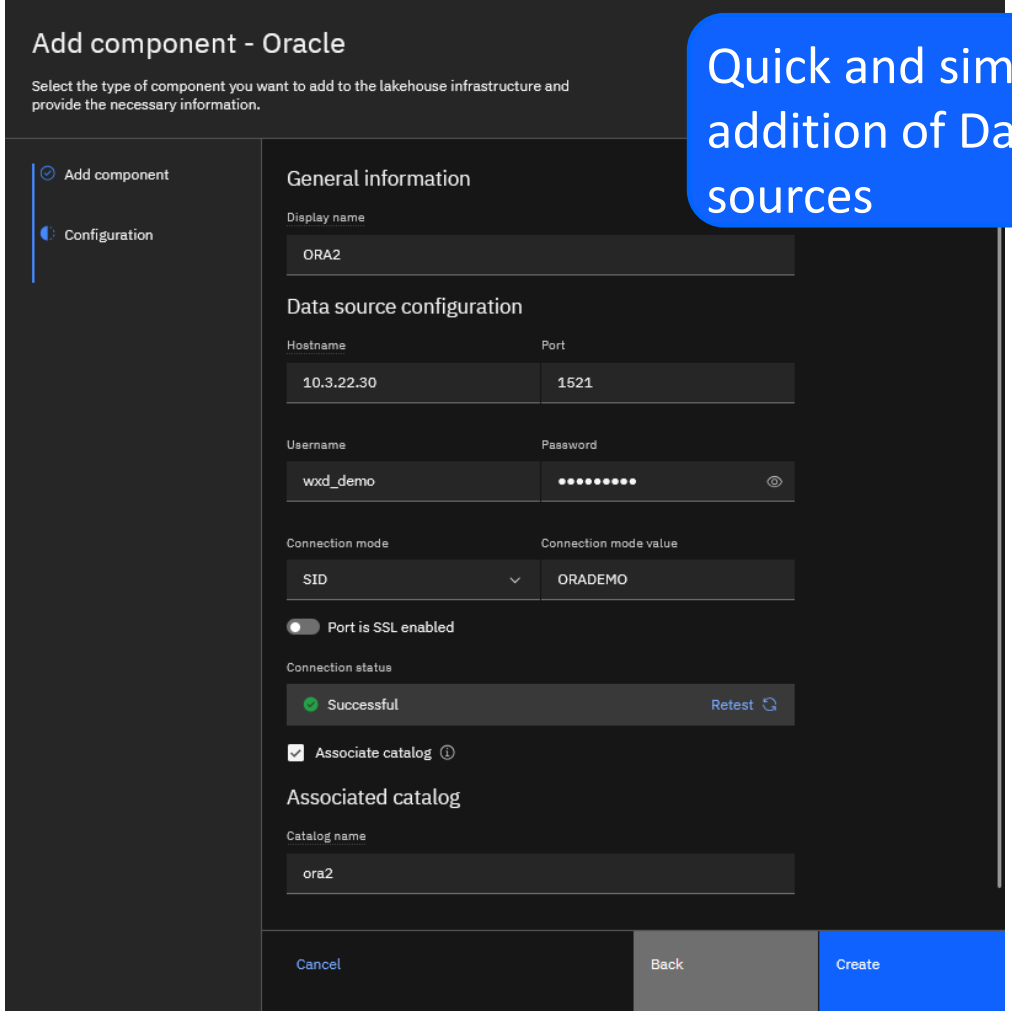
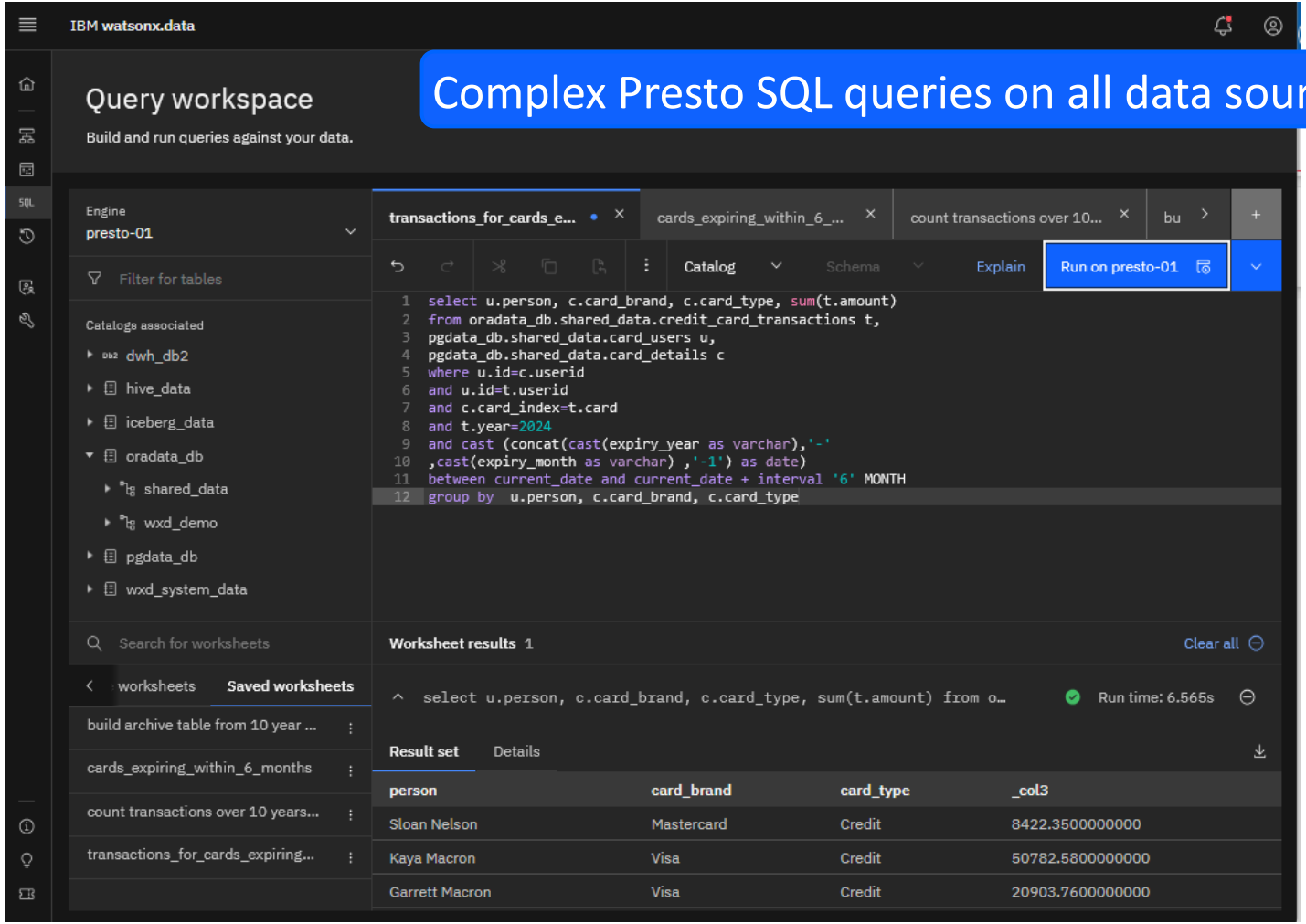
Oracle
PGDATA_...
PostgreSQL



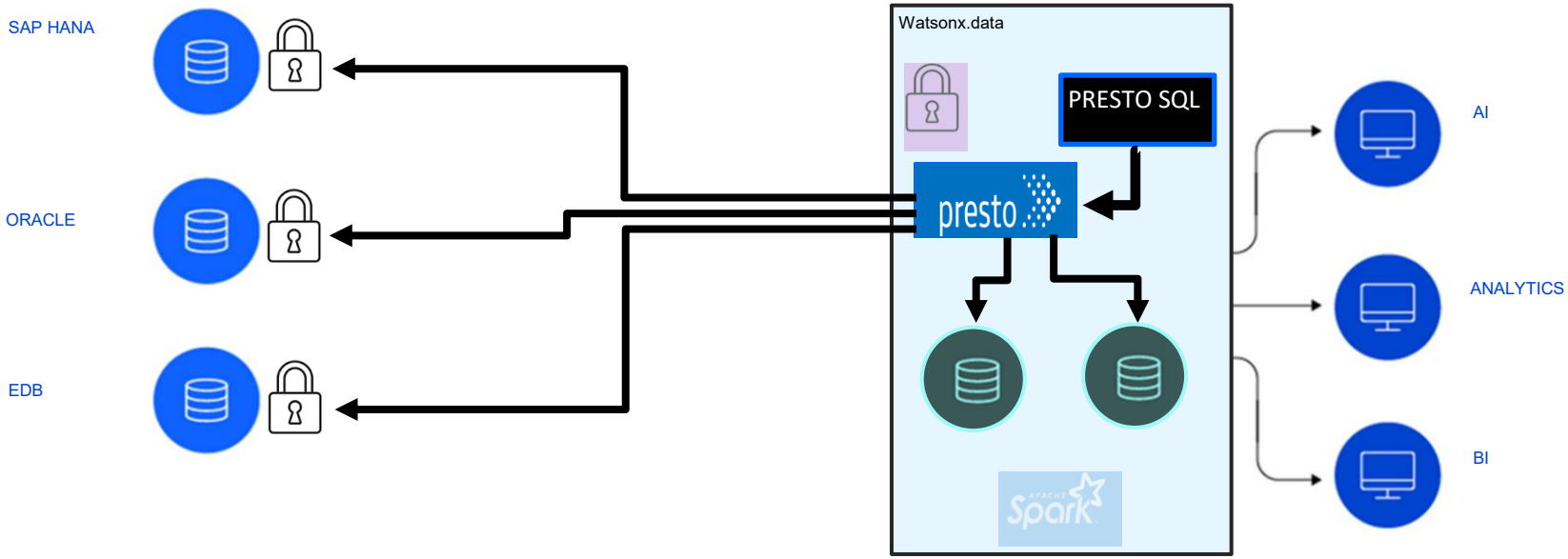


Quick and simple addition of Data sources

Complex Presto SQL queries on all data sources

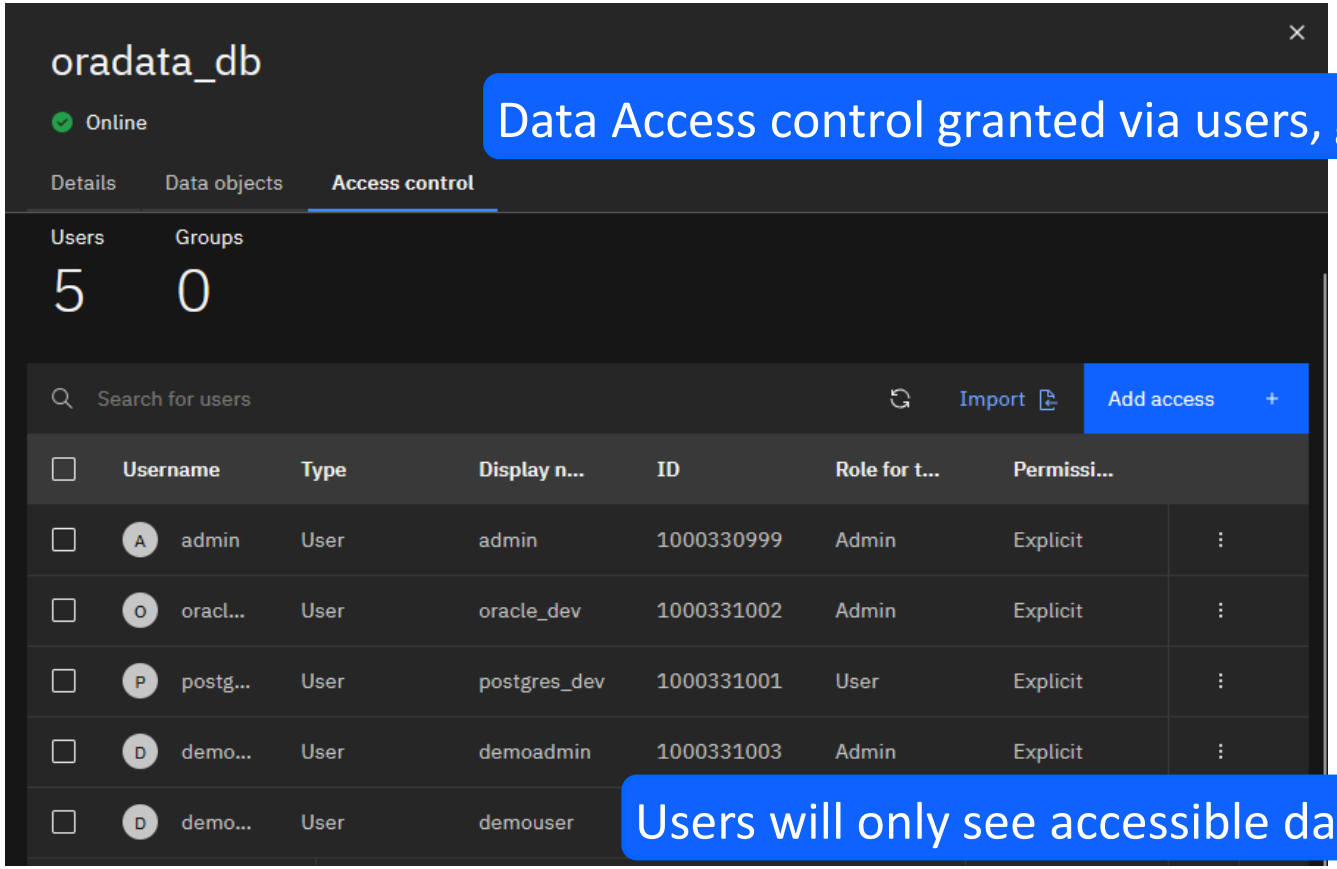


Watsonx.data Security



Security at the database connection level and within Watsonx.data via access control

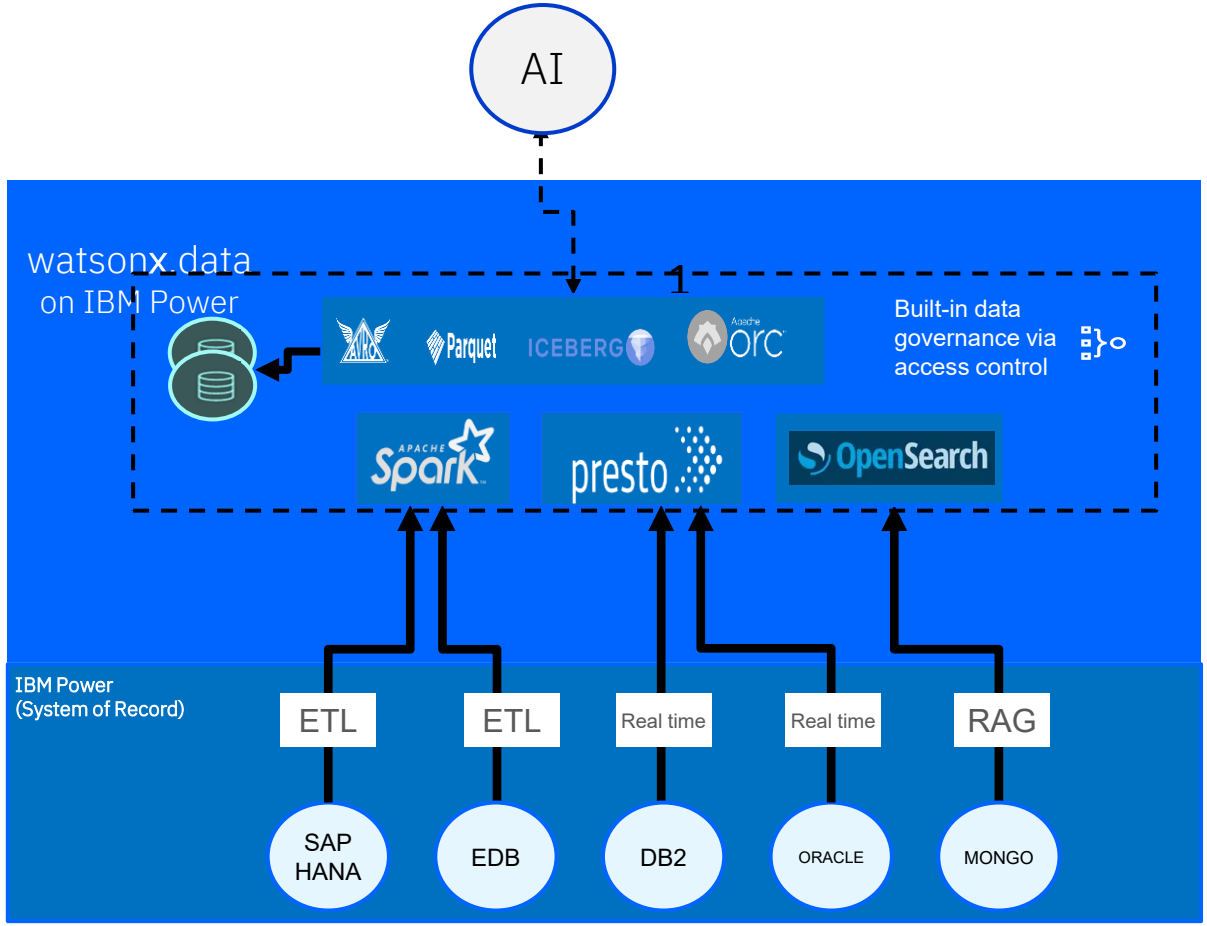
Access Control in Watsonx.data



Data Access control granted via users, groups and roles

Users will only see accessible data objects

IBM Power + watsonx.data – *easily build trusted data assets for AI*



– Drive multiple AI use cases

→ Predictive AI (fraud detection, risk analysis, failure prediction, etc.)

→ GenAI – RAG-based Digital Assistants

– Built-in security

→ encryption of data (at rest & in motion)

– Built-in data governance

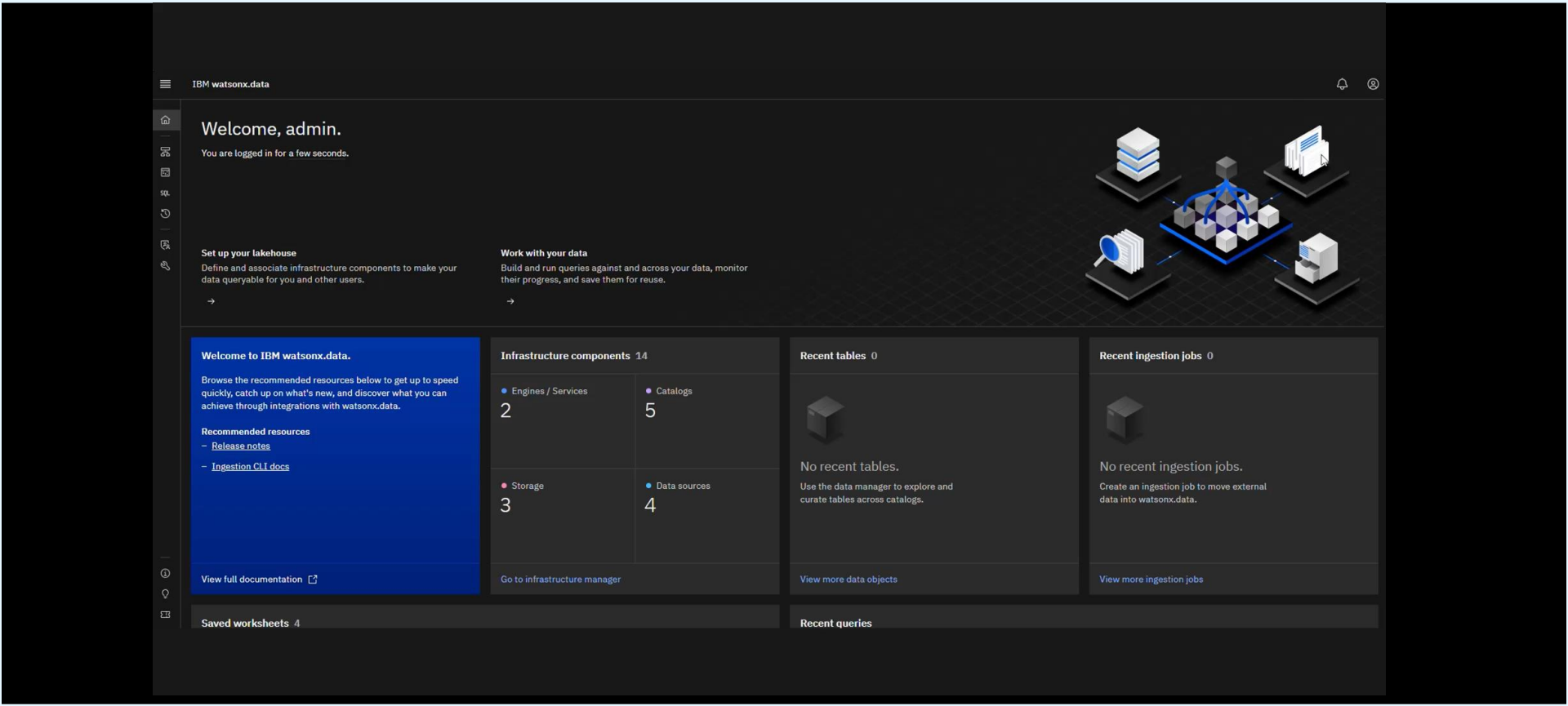
→ Ensure high quality of data by preventing unauthorized access and create trusted data assets.

– Multiple fit-for-purpose, built-in engines to transform data

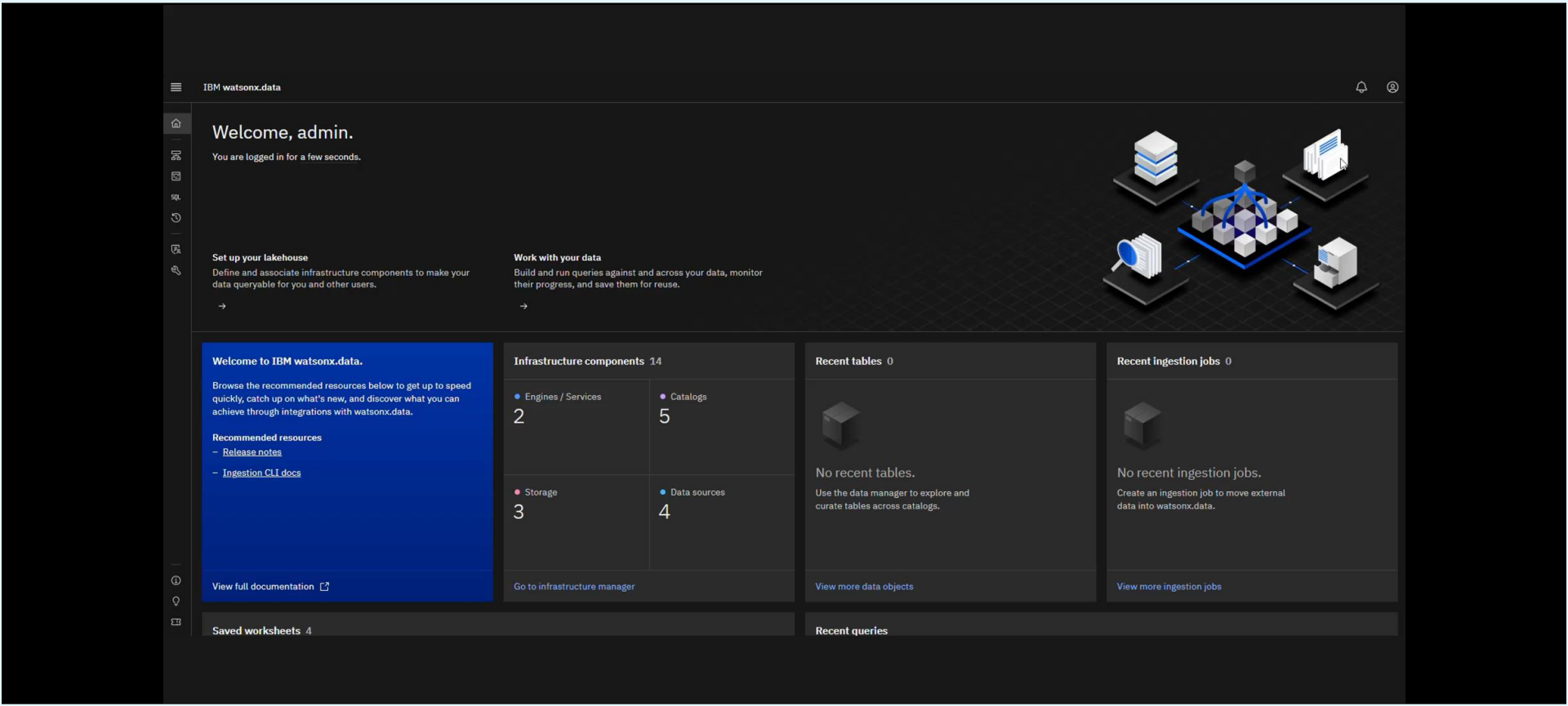
→ Modify structured data for Predictive AI with Spark and Presto.

→ Vectorize unstructured data for RAG use cases using Opensearch.

IBM Power + watsonx.data DB2 on IBMi demo



IBM Power + watsonx.data Oracle and Postgres demo



Multiple early adopters, multiple geographies and multiple verticals

3 key examples.....

Heavy equipment rentals firm in North America running core DB (DB2 for i) on IBM Power wants to have high performance Data Fabric using watsonx.data for multiple AI use cases.

Gain secure access to enterprise sensitive data and enhance knowledge bases for genAI use cases.

- Life insurance company in North America running DB2 on AIX wants to leverage fit-for-purpose query engines (Presto and Spark) to run ETL at optimized costs
- *Optimized cost-performance* with use case tailored environments.

- Government telecom company in Europe
- wants to offload/archive cold data from Db2 Warehouse to watsonx.data.
- *Optimize resources* while keeping *critical enterprise data* on a *trusted and reliable* infrastructure.

IBM Power + watsonx.data

Scale AI across your enterprise, with a high-performant, secure infrastructure and an open, converged data platform

Challenge 1:
Data Access

Challenge 2:
Data Quality

Challenge 3:
Scalable Insights

Ensure data sovereignty

Keep all enterprise data on secure, reliable infrastructure

Increase data throughput

Handle growing data volumes with more throughput per core

Access data quickly

Built-in connectors for key data sources

Control data holistically

Built -in data governance capabilities

Optimize data queries

Packaged fit-for-purpose query engines to run queries at scale

IBM Power

+

IBM watsonx.data

Single-point of contact for support across the stack

watsonx.data value drivers on IBM Power continues to evolve

	GA – December 10, 2025	Post GA – 2026
Features Roadmap	watsonx.data features →Full capabilities for structured data processing →RAG capabilities for whole text document processing Complimentary capabilities → End-to-end job automation (IBM Orchestration pipelines) → Built-in governance (IBM Knowledge catalog)	watsonx.data features →Enhanced RAG with unstructured data ingestion Complimentary capabilities →Enhanced visualization and AI with Semantic automation (IBM Knowledge Catalog). →Efficient data analysis via virtualization (IBM Watson Query).
Client Value	1. Better TCO and scalability for data querying. 2. Efficient utilization of core DBs, Datalake & Db2WH.	1. Improve accuracy of Analytics and Predictive AI 2. Improve accuracy (upto 40%) of genAI RAG. 3. Improve user experience with automated data ingestion.

Watsonx.data on IBM Power Showcase

Demonstration of Watsonx.data on POWER

Functional demonstration of watsonx.data on Power

Co-Creation workshop with Client Engineering

Work with us to build a solution for your use case in watsonx.data on Power

Hands on lab

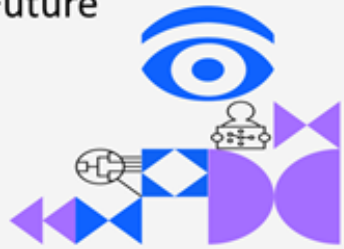
Use watsonx.data on POWER on our demonstration system for first hand experience with the product

IBM Client Engineering

Power *is/* prime *or* primed for data

IBM TechXchange : Power11 - Shaping the Future of Hybrid Cloud and AI

IBM Montpellier, France
Wednesday 3rd December
Thursday 4th December



JOIN US, for 2 days of INNOVATION, December 3rd and 4th, **in Montpellier** (South of France), to discover how **New IBM Power11** can help you swiftly adopt future of Hybrid Cloud and AI.

Our technical experts will present the New Power11 features and provide best practices to take benefits from IBM solutions based on Power systems and AI Accelerator Cards (Spyre).

Over demonstrations and **HANDS-ON**, you will learn how to build a Hybrid Cloud Environment based on Power Virtual Server (PVS)

You will create a GenAI test case based on typical AI use cases (Q&A, Summarization, Entity Extraction).

Meet our experts to share your business cases, IT projects, security constraints to shape the Future with IBM Power11.

Audience: CIO, CTO, Chief Data Officer, Data Scientist, AI & Data engineer, Architect, DBAs, SMEs and Partners.

IBM Client Engineering

Date:
Wednesday 3rd December 12pm – 6pm
Thursday 4th December 9am – 2pm

Location:
IBM Montpellier
P.I.T La Pompignane,
rue de la Vieille Poste
34006 Montpellier, France

Language: English

Audience:
Clients & Business Partners

Event is free of charge
Travel and lodging to be covered by participants.
Limited Seating

Registration Link and QR Code:
https://www.ibm.com/events/reg/flow/ibm/HK514CMB/landing/page/landing

Agenda:

Day1 : Presentations and Demos

- Introduction and Power11 Overview
- AI on Power: Presentation , Best Practices and demonstration (including Spyre cards)
- Empowering Power11 with Open Databases and watsonx.data.
- IBM P11 security, Quantum Safe, Power with Cyber Vault bundle

Day2 : Hands-On workshop

- Configuring a Power Virtual Server Environment
- Build an AI environment on Power
- Heterogeneous Databases Integration to watsonx.data

For further information, please contact Jerome_Calves@fr.ibm.com

Tell us about your AI challenges and needs to help us to make Watsonx.data even better.

https://your.feedback.ibm.com/jfe/form/SV_0CEMd6Zf3BSaWJo