

Db2 12.1 Overview and Strategy Update

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Today's Db2 Update

- Market Trends & Strategy
- Introducing Db2 12.1

IBM Db2 powers the modern economy

10/10

largest banks



10/10

largest automotive
manufacturers



10/10

largest insurance
companies



#1

largest global
retailer



40/50

state governments



23+

airlines globally



Our customers continue to realize the benefits of Db2



Price-performance at scale

>\$1M

reduction in total cost of ownership for customers switching from Oracle, like Owens Illinois



Highly resilient, scalable applications

400%

more users supported with IBM Db2 pureScale® to run Puma's 24/7 mission-critical operations



Real-time decisions

90%

faster data processing to support loyalty insights across Marriott Bonvoy's 140M+ members.



Improve customer experiences

100s

of hours saved annually for marketing teams with AI-powered prospecting at Active International

Db2 is the **one database** built to run the **next generation** of mission-critical workloads

Db2 database for low-latency transactions

No matter the volume or complexity of your transactions, Db2 is built to perform.

Db2 Warehouse for real-time analytics

Analytics powered by high performance and cost-effective data warehousing

Db2 BigSQL for data lake integration

Catalog, ingest, and query open data formats for data exploration and ML

Db2 tools for management and automation

Database management and developer tools that make it easy to work with Db2

Hybrid,
cloud-native apps



Data
Science



Responsible data
sharing



Unstructured
data



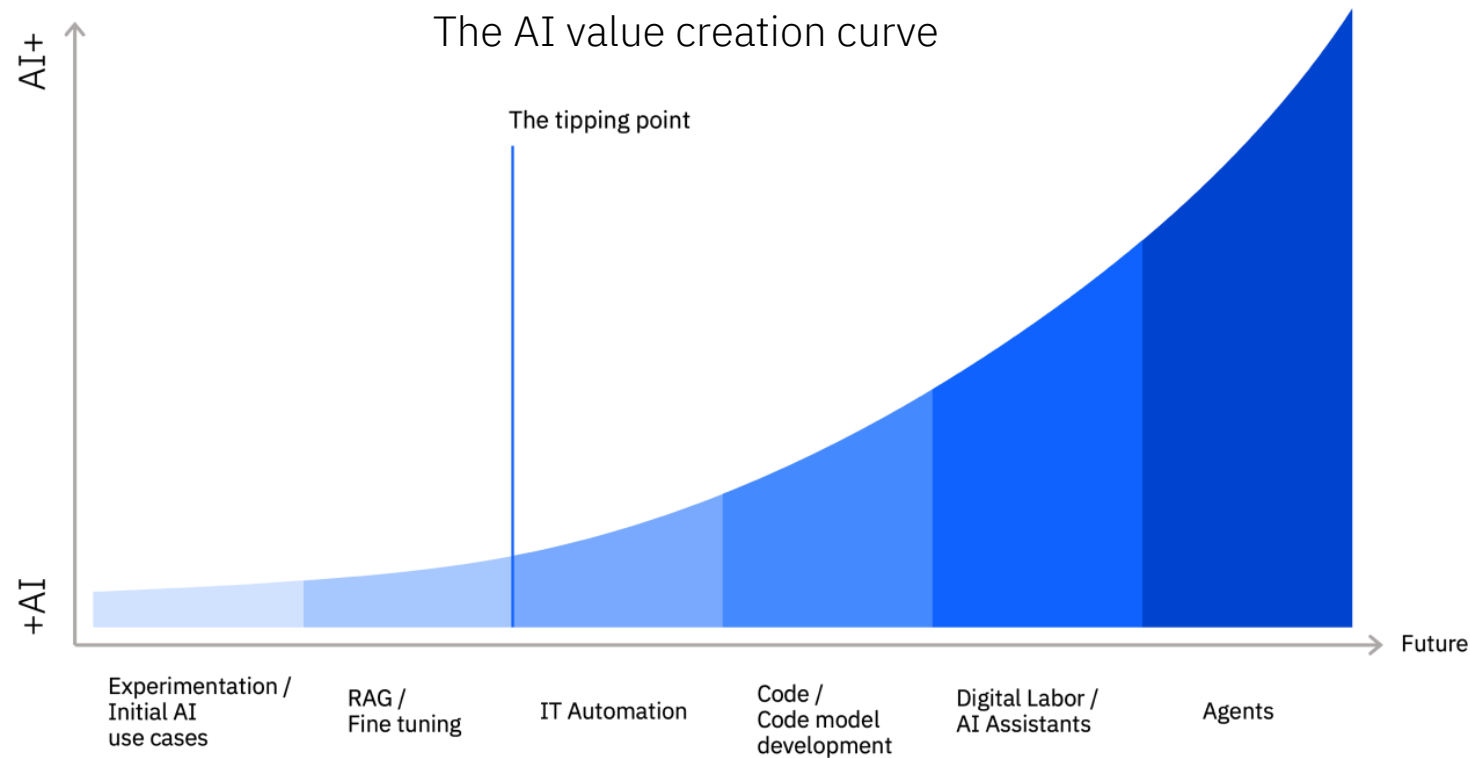
Advanced analytics
and BI

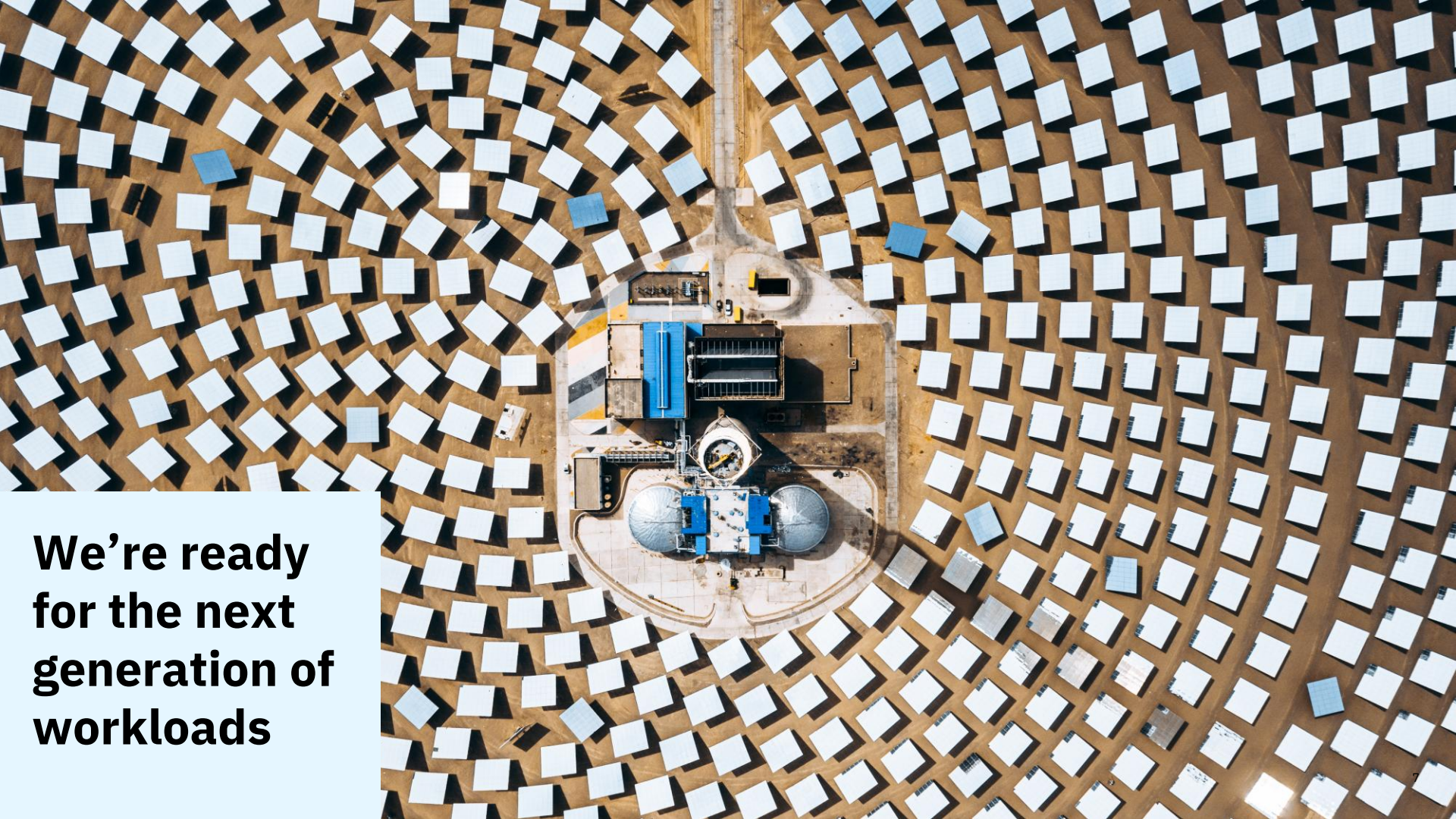


Data Lake



To truly realize the benefits of AI, you need to accelerate its adoption, leveraging your unique data in moving from +AI to AI+





**We're ready
for the next
generation of
workloads**

The world is **faced with** unprecedented **data challenges**, making it difficult to scale the adoption of AI or other use cases



There's more data...

The aggregate volume of data stored is set to **grow over 250%** in the next 5 years



...in more locations

82% of enterprises are inhibited by data silos across multiple locations & cloud providers



...in more formats

80% of time is spent on data cleaning, integration and preparation across numerous data formats



...with less quality.

82% of enterprises say data quality is a barrier on their data integration projects

IBM Db2 is the **one database** built to run the **next generation** of **mission-critical workloads**

Db2 for low latency applications



Modernize mission-critical apps



Run enterprise software



Build new cloud-native apps



Power next-gen AI assistants

IBM Db2

Db2 Warehouse for always-on analytics



Build real-time dashboards



Run operational analytics



Share data across teams



Build ML & AI models



All major cloud providers



All deployment options



Everywhere

Introducing Db2 12.1

How do I get Db2 ?

Simplified Db2 Delivery Vehicles

Early Access Program (EAP)

Delivered every month for current development branch (“GA” or “mod”)

Provides early access to new development features.
Predefined Vehicle to validate features early.

New Function

Delivered through modification (“mod”) Packs

Identified by a new point modification identifier

e.g. 12.1.1.1, 12.1.1.2, etc

Expect 2-3 per year

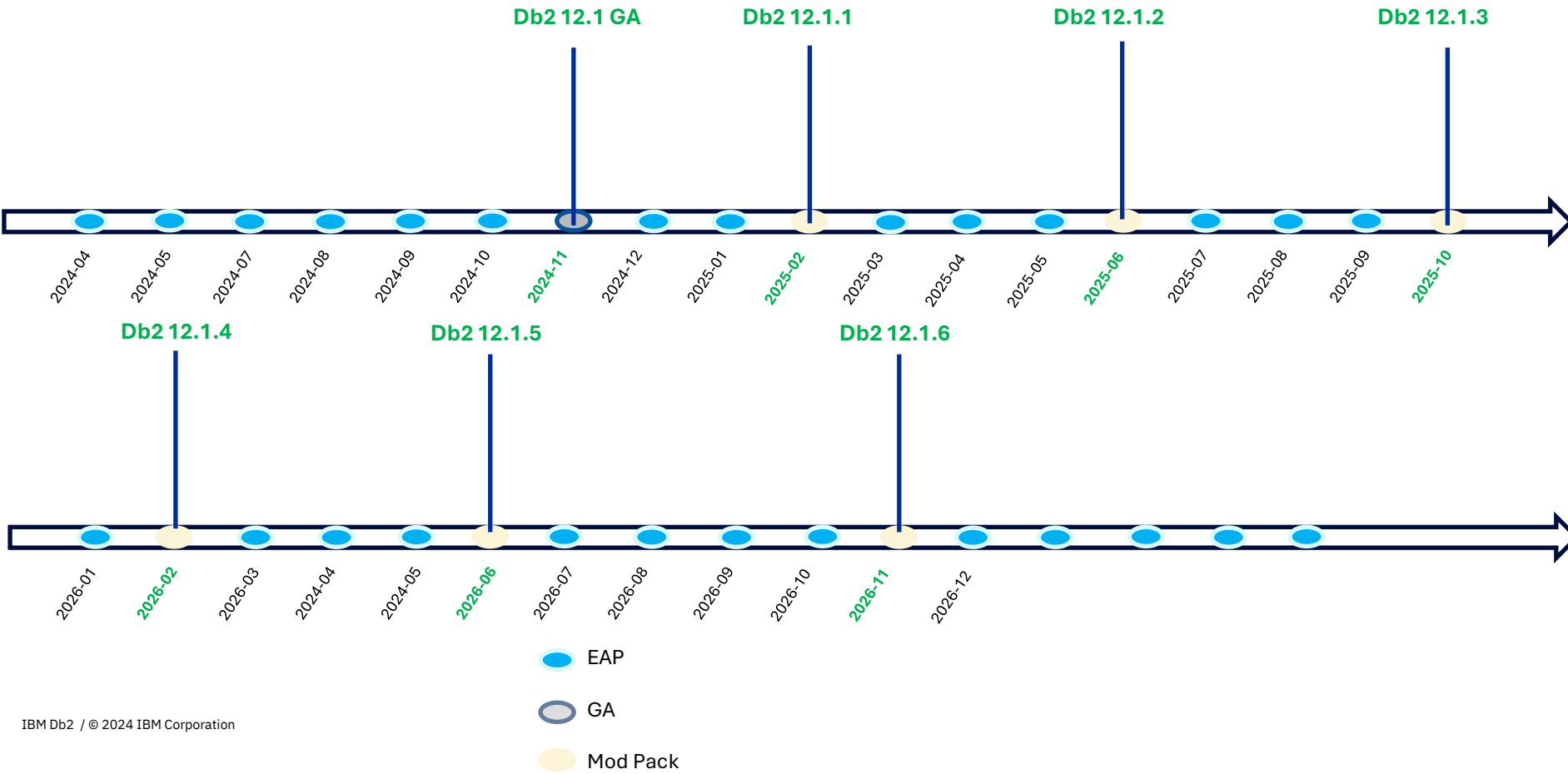
Patches & Fixes

Delivered through cumulative special build (CSB) process

Available on demand when customer requires immediate fix for a KI

Fully validated CSBs published every 4-8 weeks along with list of KIs fixed. Security fixes delivered through CSB stream.

Db2 12.1 Delivery Roadmap – 2024-2026



Db2 12.1 – Significant New Release with High Value Capabilities

Db2 12.1.0

GA November 2024

200+ new features & enhancements across Db2, Db2 pureScale & Db2 Warehouse

Db2 12.1.1

GA February 2025

Minor update that builds on cloud and query optimization capabilities released in 12.1.0

Db2

- **AI-powered query optimizer**, allows Db2 to continuously learn from customer's queries and achieve up to 3X query performance improvement

- **Improvements to backup performance** with multiple threads per table space

- **Apple Silicon driver support** for developers on macOS

- **Security enhancements** with AUDIT exceptions, Trusted Context and data masking

- **Recovery time improvements** in the unlikely event of crash

- **Federation updates** to Snowflake, Oracle 23ai, MariaDB, MongoDB and SAP with across-the-board performance improvements

- **Security enhancements across the board**

Db2 Warehouse

- **Name space separation** with TENANT construct, creating a logical separation between one or more database schemas

- **Cloud object storage performance & scalability enhancements** for large deployments

- **Schema evolution with DROP and RENAME** support for online schema updates to columnar tables

- **UPDATE and JOIN** performance enhancements for columnar tables

- **Logical backup/restore** experience improvements

- **Enhancements to online columnar table move** with ADMIN_MOVE_TABLE

- **Db2 Warehouse on Linux on Power (PPCLE)** now supports open data and table formats for data lake integration

Db2 pureScale

- **SSL encryption** support for Db2 HADR configurations

- **Cluster recovery** through offline drop member

- **TSA replaced with Pacemaker on Linux** technology for cluster management, leading to faster failure recovery times

- **Online index reorg** for Db2 pureScale is now available, enabling read and write access to the underlying table during maintenance

- **Support for fast I/O fencing for NVMe shared storage** is now available for Db2 pureScale self-managed deployment on AWS

Db2 12.1 – Significant New Release with High Value Capabilities

Db2 12.1.2

GA June 2025

Packed with new features designed to unlock the full potential of your data and drive the next generation of AI and cloud applications.

Db2

- AI features with vector store and similarity search for advanced AI applications
- Backup performance improvement with reduced flushing for backups by default
- Federation enhancement with Apache Cassandra support via ODBC
- DATAMASK on READ to obfuscate sensitive fields
- TLS encryption monitoring enhancement to track the impact of encryption on performance
- Option to restrict world-writable file permissions for better access control

Db2 Warehouse

- Azure BLOB Storage Support for table storage, significantly reducing the cost of storing data without sacrificing performance
- UPDATE and DELETE support for Iceberg tables

Db2 pureScale

- Optimized performance with low latency network support powered by Elastic Fabric Adapter (EFA) on AWS
- Socket Support in zLinux brings cost-efficient configuration for non-production workload
- z/VM Support for additional deployment options on IBM Z

Db2 12.1 – Significant New Release with High Value Capabilities

Db2 12.1.3

GA November 2025

New AI capabilities to
supercharge your AI initiatives
across the enterprise

Db2

- **Vector support extended** to utilities, external tables and routines
- **Connectors for Python frameworks LangChain and LlamaIndex** to support development of LLM-driven apps
- **Online table reorg of range partitioned tables** with global indexes for seamless maintenance
- **Trigger automatic pruning of archive logs** when using non-Db2 snapshot backups
- **Asynchronous pruning of history file** resulting in faster backups

Db2 Warehouse

- **AI Optimizer updates**, with ability to auto-generate optimization profiles for a query using the Explain facility
- **Flexibility to disable row modification tracking for logical backups** using CREATE SCHEMA and ALTER SCHEMA
- **ALTER the precision for decimal columns** in column-organized tables

Db2 pureScale

- **HADR support in pureScale environments** with mixed topology between primary and standby clusters
- **Upgrade or restore database** using a down-level backup image with different topology
- **Quiesce tablespaces** to make them read-only in pureScale environments using db2dart
- **Performance enhancements to AWS EFA (up to 40%)**
- **Support for GDPC clusters with Pacemaker** to enable multi-AZ active-active clusters in cloud environments like AWS and Azure

Db2 12.1 - pureScale Updates

- Replacement of TSA with Pacemaker technology for cluster management
- Recovery through drop member operations
 - Prereq to support online drop member in a future release
- Improved database activation resiliency
- Improved handling of a database failure that does not result in node failure
 - i.e., Force Database Shutdown scenarios – in these failures, the clients will be failed over to alternate nodes until the database is activated, after which the node will become available again to handle workloads.
- Db2 pureScale HADR support for enterprise-grade end-to-end SSL encryption
- Verbs support for RDMA Everywhere in pureScale (SLES on Intel & Z, and AIX)
 - RDMA operations work directly on a remote node's memory, bypassing its CPU, and include RDMA reads, writes, and atomic operations

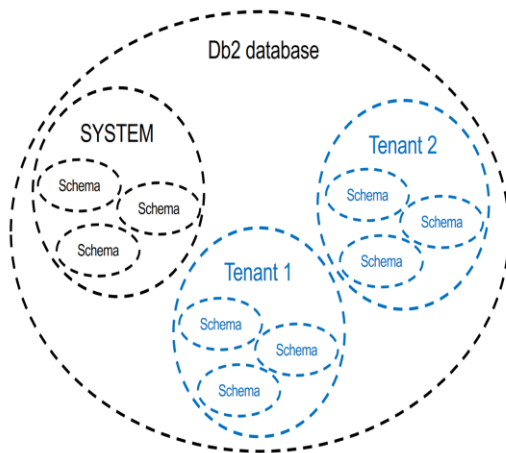
Db2 12.1 - Namespace Separation

- What is Namespace Separation (Tenant)?

- A single physical database supporting multiple "Tenants"
- All tenants share the same infrastructure and resources
- Each tenant has a private, isolated perspective for their own objects

- What problem does having Tenants solve?

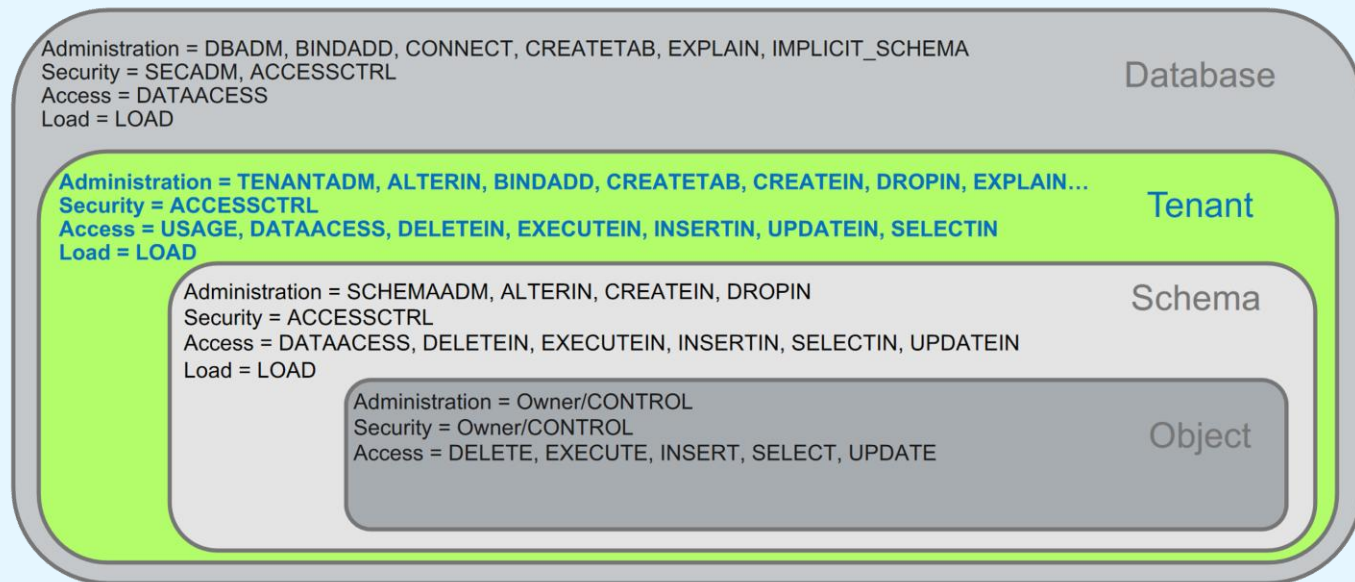
- Netezza/Postgres compatibility
- Cost-savings through consolidation
- Reduction of fixed overhead costs associated with individual databases
- Centralization/simplification of database operations
- Sharing unique environments without collisions
- Significant cost-savings for our customers with many small development systems



Db2

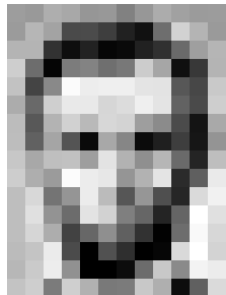
Namespace

Authorizations



Db2 12.1 – Vector Store – What is a Vector?

- A Vector is an array of numbers encoding some data.
 - e.g., [0.6, 0.8, -0.3, 0.7]
- Vector Embeddings: a kind of vectors created with deep learning models
 - Discover hidden relationship among items in a sequence, e.g., words in a sentence
- Vector embeddings are usually high dimensional (100s)
- Foundational to GenAI and RAG applications



157	153	174	168	150	152	129	151	172	161	155	156
165	162	163	74	75	62	33	17	110	210	180	184
180	180	65	14	54	6	10	33	48	106	189	181
206	100	5	134	101	111	102	204	166	15	56	180
194	68	187	281	237	239	239	238	227	87	71	201
172	105	207	233	233	214	220	239	238	98	14	206
188	88	179	209	186	216	211	168	139	75	20	169
189	97	165	84	10	168	134	11	31	62	22	148
199	168	191	193	158	227	178	143	182	106	36	190
205	174	155	252	236	231	149	178	228	43	95	234
190	216	116	149	236	187	86	159	75	38	218	241
190	224	147	108	227	210	127	102	36	101	205	224
190	214	173	66	103	143	95	50	2	109	249	215
187	196	235	75	1	81	47	0	6	217	255	211
183	202	237	145	0	0	12	108	200	138	243	236
195	206	123	207	177	121	123	200	175	13	96	218

157	153	174	168	150	152	129	151	172	161	155	156
165	162	163	74	75	62	33	17	110	210	180	184
180	180	65	14	54	6	10	33	48	106	189	181
206	100	5	134	101	111	102	204	166	15	56	180
194	68	187	281	237	239	239	238	227	87	71	201
172	105	207	233	233	214	220	239	238	98	14	206
188	88	179	209	186	216	211	168	139	75	20	169
189	97	165	84	10	168	134	11	31	62	22	148
199	168	191	193	158	227	178	143	182	106	36	190
205	174	155	252	236	231	149	178	228	43	95	234
190	216	116	149	236	187	86	159	75	38	218	241
190	224	147	108	227	210	127	102	36	101	205	224
190	214	173	66	103	143	95	50	2	109	249	215
187	196	235	75	1	81	47	0	6	217	255	211
183	202	237	145	0	0	12	108	200	138	243	236
195	206	123	207	177	121	123	200	175	13	96	218

[157, 153, 174, ..., 161, 155, 156]

Dimensions



Popular Vector Similarity Search Use Cases

RAGs /
Reducing
Hallucinations
in LLMs

Appending additional context from vector db to the user prompts and help LLMs generate more accurate content.

Product²⁰
Recommendations,
e.g., Amazon

Amazon recommending items based on past purchases and browsing history.

Transaction
Fraud Detection

Banks identifying fraudulent transactions by analyzing patterns in transaction data.

Db2 12.1 – Security Enhancements

- Trusted Context

- A stored procedure can be used as an attribute of trust for a trusted context
- An application token is sent during connect that can provide application-level details/identification
- Ability to turn off auditing within a Trusted Context
- Adding exceptions with Trusted Context

- Schema/Tenant Level Authorization

- Ability to apply authorizations to all objects in a schema and/or all schemas in a tenant

- Audit Enhancements

- Ability to store audit tables on cloud object store

- Native Encryption Enhancements

- Performance and efficiency improvements

Db2 12.1 - Data Virtualization – Federation

Connectivity – Spark JDBC Connectivity Support

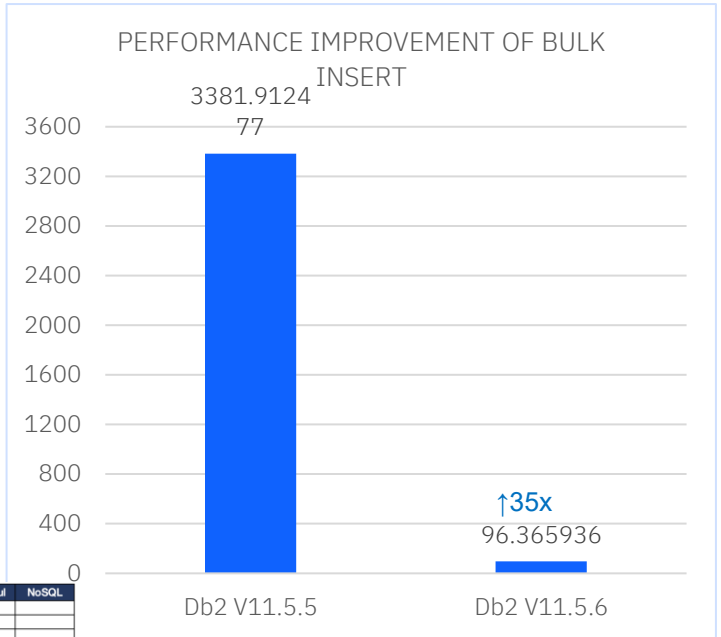
Functionality – Column Length Variation for Code Page Conversion

Functionality – Nickname Hidden Column Support

Performance – Federation DRDA Bulk Insert for Db2 Family Data Sources

Category	Data Source	Native	ODBC	JDBC	RESTful	NoSQL
Relational	Db2 LUW	Yes		Yes		
	Db2 for IBM i	Yes				
	Oracle	Yes	Yes	Yes		
	MS SQL Server	Yes	Yes	Yes		
	Informix	Yes				
	Sybase	Yes				
Warehouse / Appliance	IIAS	Yes		Yes		
	Netezza		Yes	Yes		
	Teradata	Yes		Yes		
	SAP HANA		Yes	Yes		
	Greenplum		Yes	Yes		
Open Source	MySQL Community		Yes	Yes		
	MySQL Enterprise		Yes	Yes		
	PostgreSQL		Yes	Yes		
	MariaDB		Yes	Yes		
	Derby			Yes		
Hadoop	IBM Db2 BigSQL	Yes		Yes		
	Hive		Yes	Yes		
	Spark		Yes	Yes		
	Impala		Yes			
Files	Delimited	Yes				
	Excel	Yes	Yes			
	XML	Yes				
	JSON					Yes
Mainframe	CSV	Yes				
	Db2 for z/OS	Yes		Yes		
	IBM DVM for z/OS			Yes		

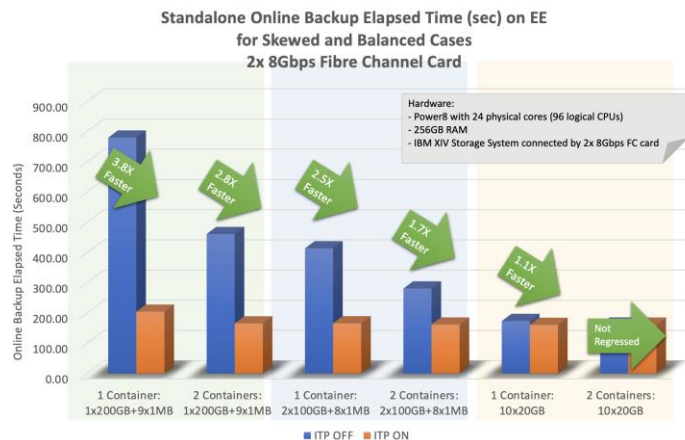
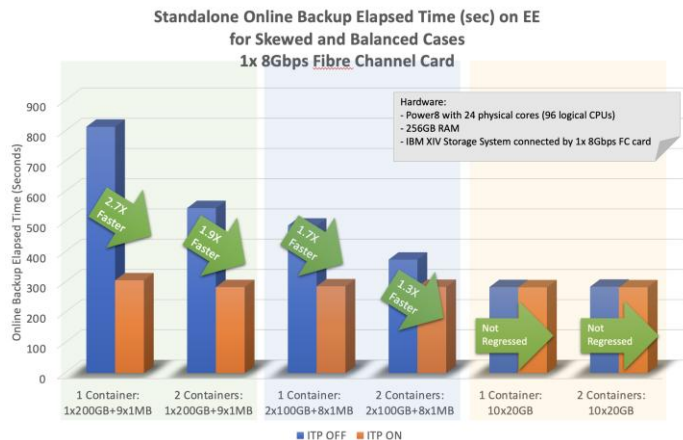
Category	Data Source	Native	ODBC	JDBC	RESTful	NoSQL
Message Queue	MQSeries	Yes				
Cloud	Db2 Warehouse	Yes		Yes		
	MS Azure SQL		Yes			
	Oracle Cloud		Yes			
	Amazon AWS Redshift			Yes		
	Google BigQuery			Yes		
	Amazon AWS S3			Yes		
	Salesforce			Yes		
	Snowflake		Yes	Yes		
	Hyperledger Fabric					Yes
	MongoDB					Yes
NoSQL	CouchDB					Yes
	Hbase HDFS					Yes
	Cassandra					Planning
	Redis					Planning
	Jira				Yes	
	Ahal				Yes	
	GitHub				Yes	
	HubSpot				Yes	
	TeamCity				Yes	
	api.spacexdata.com				Yes	
	earthquake.usgs.gov				Yes	
	Google Calendar API				Yes	
	grouptk.com				Yes	
	Yelp				Yes	



Supported Before v10.5
Supported In v11.1
Supported In v11.5 GA
Supported in v11.5.4
Supported in v11.5.5
Supported in v11.5.6
Working / Planning

Db2 12.1 - Backup and Recovery Improvements

- Schema/Tenant Level Recoverability
- Recovery time improvements in the unlikely event of crash
- LBAR: support storage access alias in place of access keys
- Improvements to backup performance through parallelism at table space level



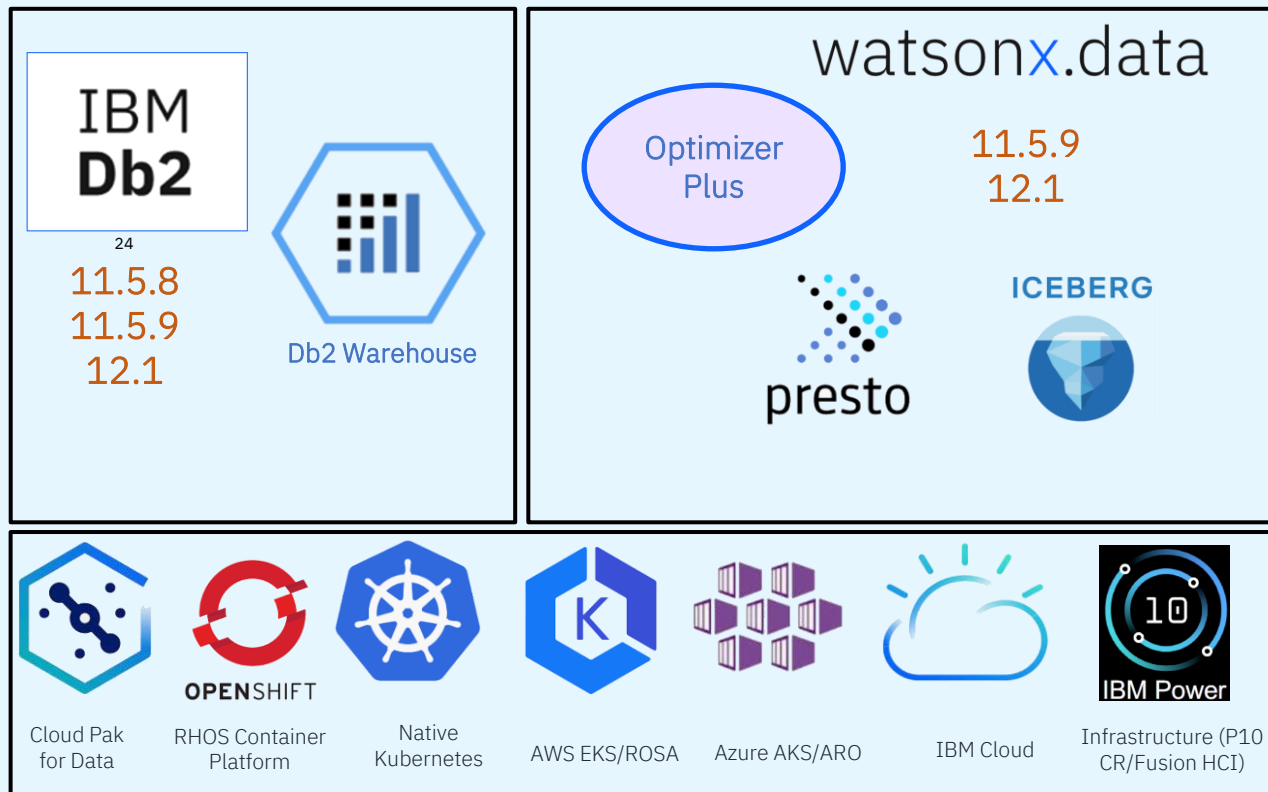
Db2

Universal Container

Db2U is the modernization delivery vehicle for:

- Db2 and Db2 Warehouse on CP4D/OpenShift/K8s
- Db2 Warehouse on Cloud (WhoC) Gen 3 on AWS and IBM Cloud VPC Gen 2+
- Hyper-scalers (AWS, Azure and IBM Cloud)
- Reference Architecture on IBM P10 Cloud Rack and Fusion HCI Infrastructure
- Integrating with watsonx.data ecosystem including Lakehouse (DATA LAKE table support)

Platforms



Db2U container, operator and reference architecture

Container: Launch a standardized Db2 container across your entire deployment. Growing ecosystem of "add-Ons" to extend functionality.

Operator: Easily manage the lifecycle of that container and various database functions with a well-defined, well-documented interface.

Reference architecture: Detailed architecture and guide on how to deploy Db2 across various topologies.

Delivered **2019 1H**



OpenShift

Delivered **2022 Q2**



AWS **EKS/ROSA**

Delivered **2022 2H**



Azure **AKS/ARO**

Delivered **1H 2023**



Infrastructure
(P10 Cloud Rack)



[Db2 on AWS](#)

[Db2 Warehouse on AWS EKS](#)

[Db2 Warehouse on AWS ROSA](#)



[Db2 on Azure](#)

[Db2 Warehouse on Azure AKS](#)

[Db2 Warehouse on Azure ARO](#)



[IBM Power Cloud Rack for Db2 Warehouse - Announcement](#)

[IBM Power Cloud Rack for Db2 Warehouse – Fact sheet](#)

Db2 12.1 – Universal Container – Operator Capabilities



Db2U embracing cloud-native modernization, leverage a “Go” Operator to manage the lifecycle of Db2. Db2 Operator is fully compliant for levels 1-2 and have some capabilities in level 3 and 4.

Scaling – 2023 1H GA (Level 3)

- Vertical scaling (scale compute resources up/down)
- Horizontal scaling (scale compute resources out/in)

Day 2 BAR Controller – 2023 1H GA (Level 3)

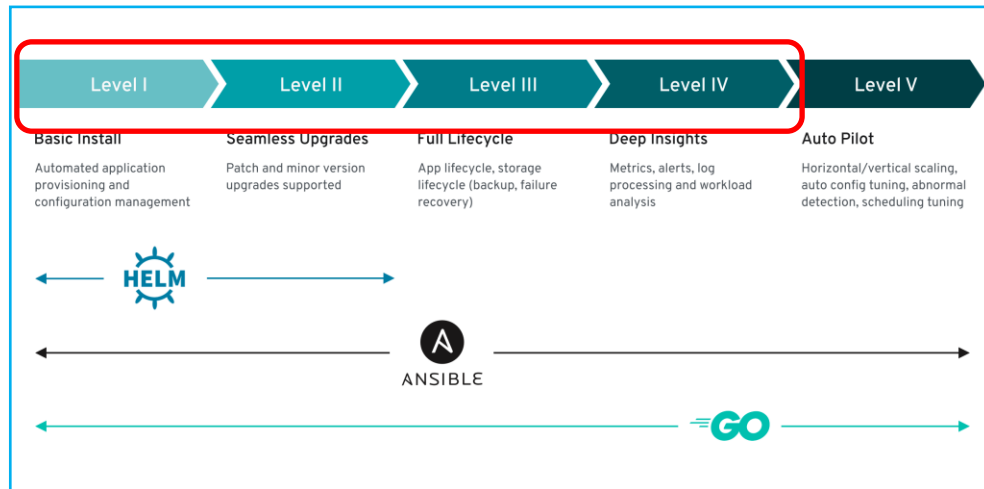
- Db2 native database backups
- Schema-level BAR

HADR Controller – 2021+ (Level 3)

- API driven HADR for same cluster/namespace
- [1H 2023] Role-aware load balancer service for Cloud deployments.

Day 2 Log Streaming Controller – 2023 1H (Level 4)

- Built-around Fluentd data collector for a unified logging layer
- [CP4D 4.7+] Stream Db2 audit logs in CADF format to zen-audit service



Db2U 12.1

- Db2U 12.1 – Fresh deployment and upgrade
- Native COS support for Db2 Warehouse
- DATALAKE/Open Data Formats support for Db2 Warehouse
- IBM Db2 Warehouse on Power solution (a.k.a P10 Cloud Rack)

Db2 12.1 – In the Era of AI

Powered by AI



Confidence-based query results
leveraging ML-SQL



Up to 10x better query
performance
powered by an ML-Optimizer



No data movement & single view
on all data
delivered by Data Virtualization



Auto resource optimization
delivered by Adaptive Workload Management

Managed with the
Help of AI

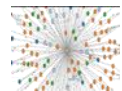
Built for AI



Faster data exploration
by using In-Db2 Machine Learning



Build AI based applications
with Python, R, GO , JSON and Jupyter notebooks



Model Complex Relationships
by using Db2's Multi-Model Capabilities



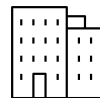
Blockchain Ready
using Db2 Blockchain Connector

Db2 12.1 - AI Optimizer



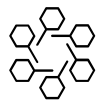
11.5.0
2Q2019

- ML Optimizer Tech Preview 1
- Phase 1 – Cardinality Estimation
 - Support equality & range local operators with no expressions



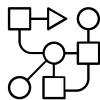
11.5.4
2Q2020

- ML Optimizer Tech preview 2



11.5.7
4Q2021

- Models can now be fully exploited for IN predicates and OR predicates with eligible OR subterms
- The Machine Learning Optimizer can now be used on any Db2 supported platform
- Model training time has been improved



11.5.8
4Q2022

- Models can now be exploited for cardinality estimation over single-column equality pairwise joins between two base tables
- Model training time has significantly improved allowing for more columns to be trained on
- Models are significantly smaller in size (~100 times smaller)
- Model discovery is enabled by default when the Machine Learning Optimizer is enabled



11.5.9
4Q2023

- Integrated bundling and install of Pacemaker stack
- Customized configurations on Azure
- Enhanced Network Resiliency
- Advanced HADR DB hang detection (Linux)
- Expanded distro levels support
- Enhanced PD



12.0
4Q2024

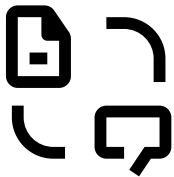
- AI optimizer General Availability
- Explain Support

12.0+

- Join Cardinality using single table models
- Optimizer and runtime feedback for model training

Introducing Database Assistant

powered by watsonx



Db2 Expert

Get answers to your Db2 questions, faster



Monitoring Metrics

Quickly access key Db2 metrics using natural language queries



Simplified Troubleshooting

Get recommendations for troubleshooting common database issues



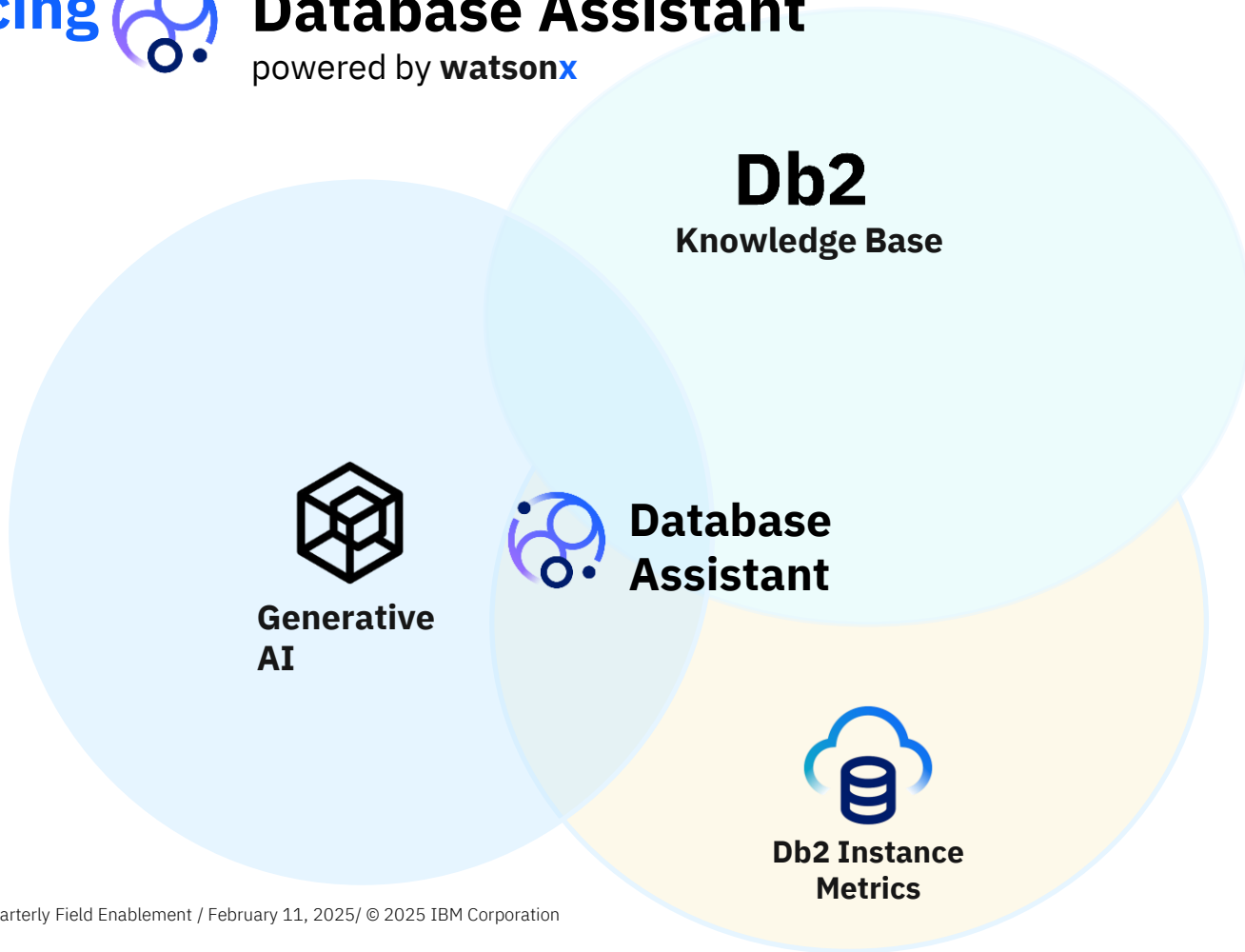
Advanced Analysis

Accurately identify root cause of performance issues, bottlenecks, deadlocks



Database Assistant

powered by watsonx





Db2 Intelligence Center

powered by **watsonx**



Unified Management

Single point of management across your entire Db2 estate



Database AI Assistant

AI-powered expert at your fingertips



Monitoring Drill-downs

Find and fix database problems instantly



Query Optimization

Enhance query and database performance with advanced tuning



Tune Configurations

Optimize Db2 deployments for peak efficiency

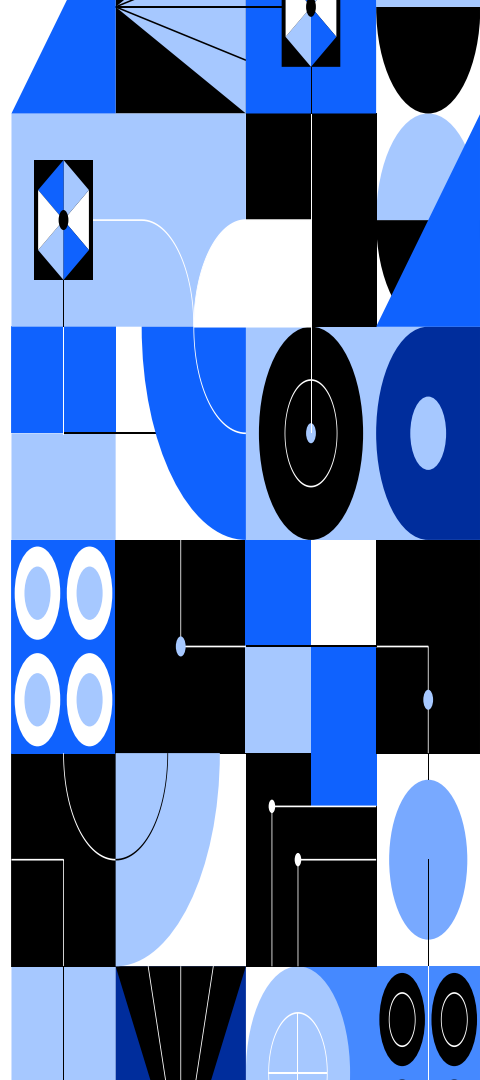


Advanced Automation

Streamline operations with powerful scripting, scheduling, and automation

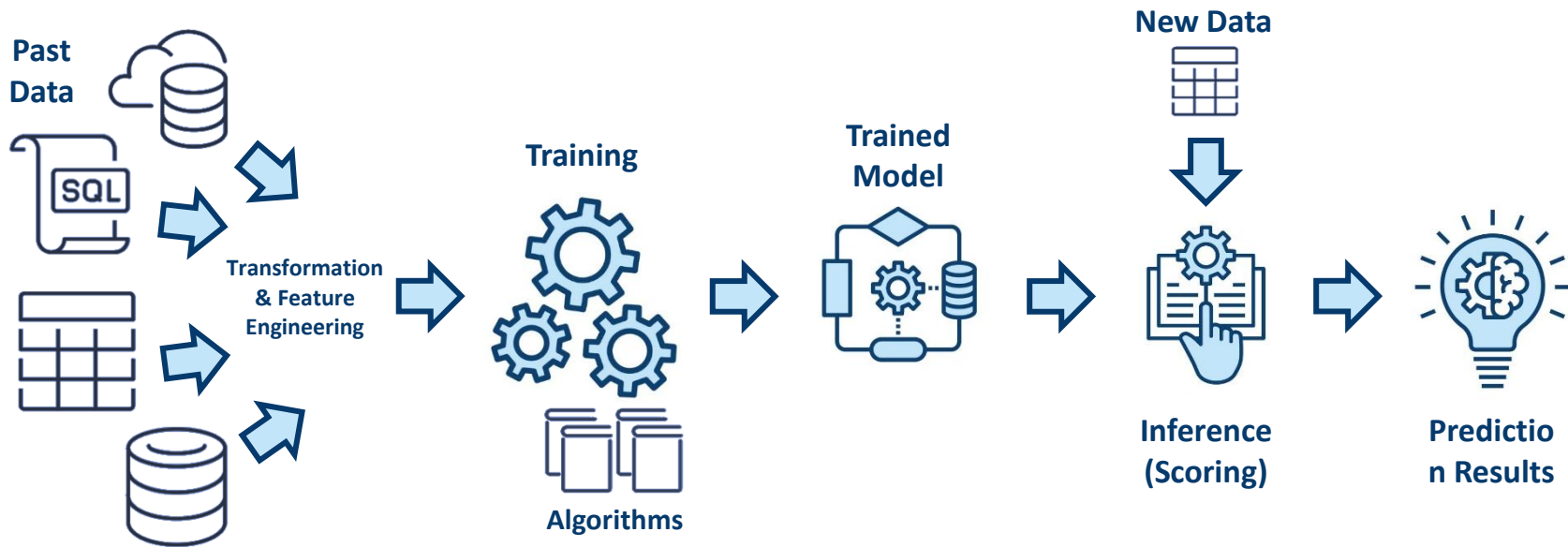
Db2 12.1 - IBM Db2 Bridge

- Data Movement tool to move schema objects and data to Db2
- Preserves data integrity by analyzing the dependencies between objects
- Standalone Software can be installed on Linux (Power or X86)
- Supports all Db2 deployments; on-premise or on-cloud; transactional or analytical workloads; includes Db2, Db2 Warehouse, Db2 Warehouse on Cloud, Db2 on Cloud, IIAS (source only), Power 10 Cloud Rack.
- Supports multiple Db2 releases; 10.5 or later for source and 11.5 or later for the target systems
- Support for enabling IBM Optim High Performance Unload for Db2
- Support includes tables, views, indexes, aliases, global variables, types, check constraints, comments, functions, triggers, procedures, Security policies, labels, label components, buffer pools, table spaces.



Db2 12.1 – In-Db2 Machine Learning

IBM Db2 Can Accelerate Implementing ML Systems



Training Phase

Inference Phase

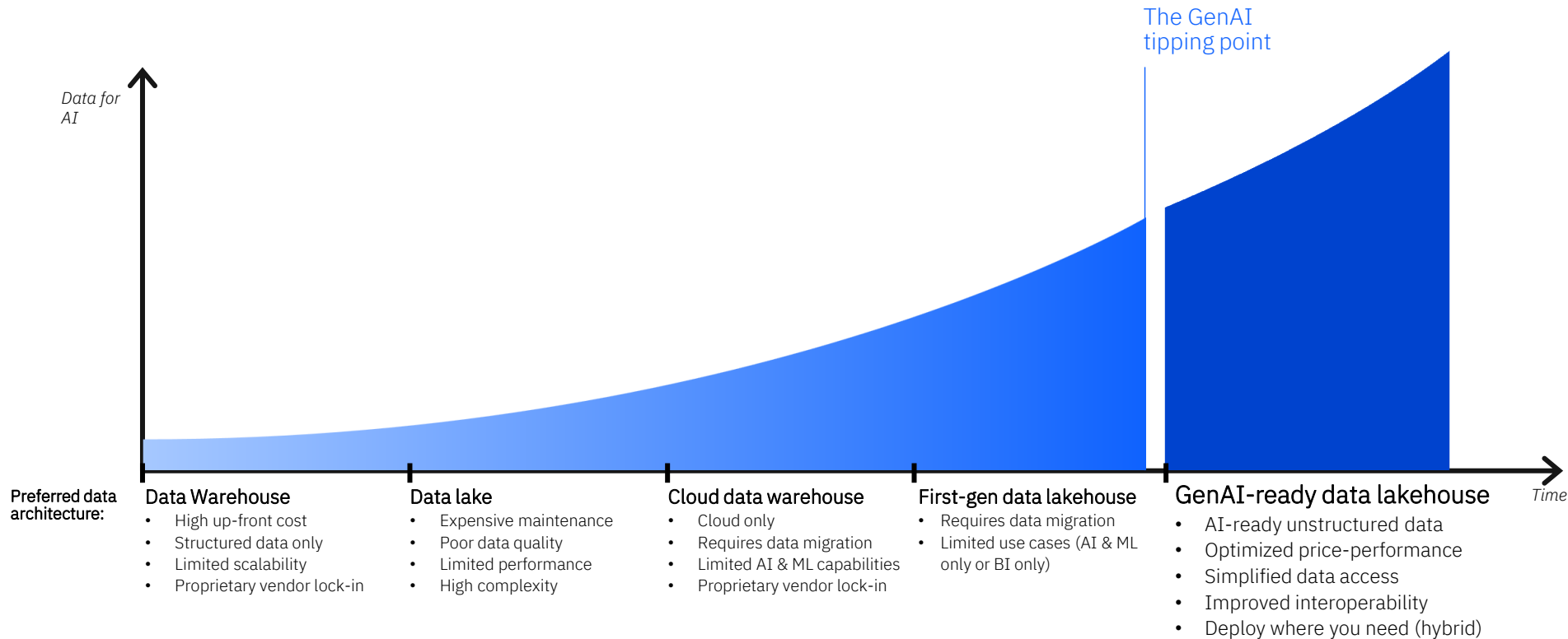
Db2 In-Database Machine Learning Stored Procedures

Db2 R/Python UDFs

IBM

Db2

GenAI has amplified the value of enterprise data



AI is only as good as your data

Unprecedented data challenges to scale AI



More data volume and complexity

- Exploding data growth
- But less than 1/3 of tech leaders strongly agree that their enterprise data meets the quality, accessibility, and security standards to support scaling gen AI



In more locations

- Multiple locations, clouds, applications and silos
- 82% of enterprises are inhibited by data silos



In more formats

- Documents, images, video
- 80% of time is spent on data cleaning, integration and preparation



With less quality

- Stale and inconsistent
- 82% of enterprises say data quality is a barrier on their data integration projects

Emerging challenges of unstructured data



Distributed and disorganized

- Difficult to catalog and search, much of it left to content creators/owners to manage
- Massive duplication and redundancy



Bottlenecks and silos

- Documents are managed with productivity tools by CIO while enterprise data and analytics are managed by CDOs



Near infinite variety

- Hard to classify and identify entities/values
- No well-established patterns of interpretation



Quality and compliance

- Dynamic version control, lineage, transmutation
- Coarse-grained user authorization model (user has access, yes/no)

The hybrid, open data lakehouse



Hybrid and multicloud

Deploy across public cloud, on-premises, and multicloud with highly portable workloads and entitlements



Open by design: no vendor lock-in

Access all your structured and unstructured data, wherever your data resides (cloud, on-premises, mainframe)



Data security and governance

Integrate, secure, and govern data seamlessly across your entire data estate



Optimal price-performance

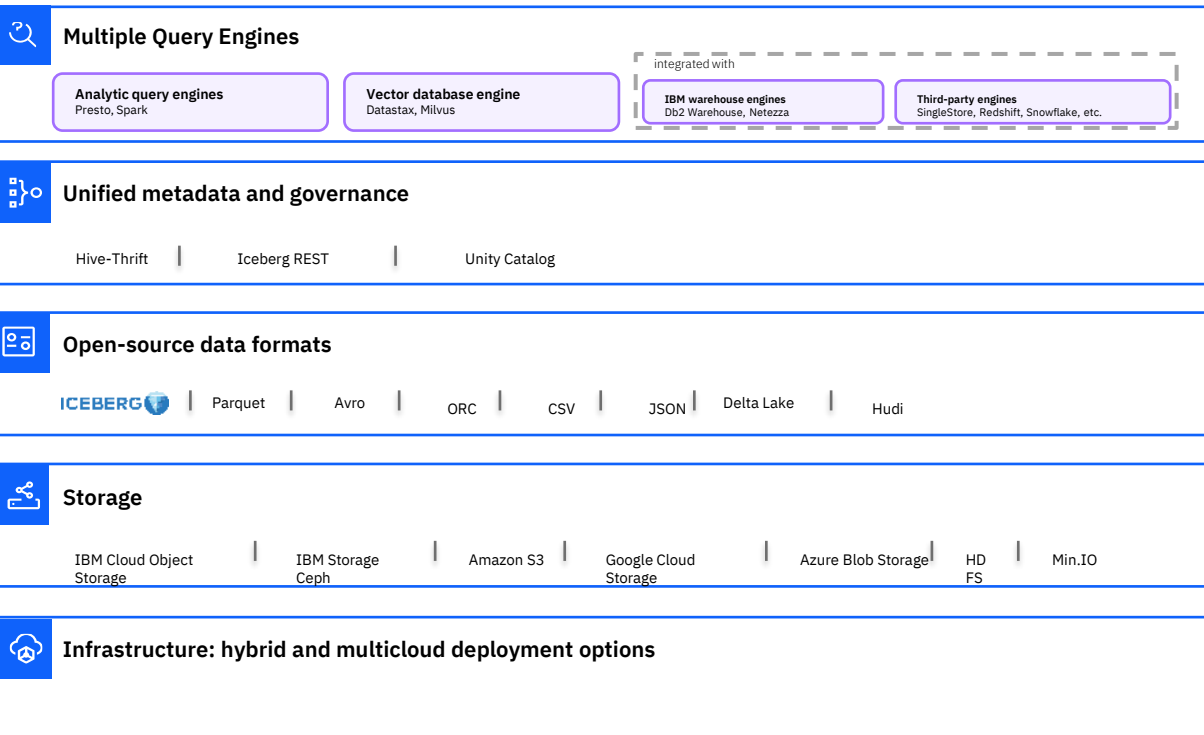
Optimize workloads for price performance by pairing the right workloads with the right engines, including enhanced Presto and Spark.



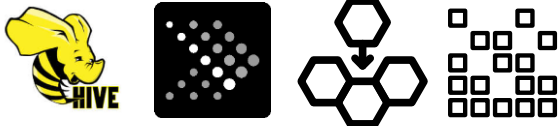
AI ready

Curate vectorized embeddings to improve the relevance and precision of your AI outputs

IBM watsonx.data



IBM watsonx.data components Integrations



- 1 **Warehouses can access data in the lakehouse**
- 2 **Easily Promote data** between the warehouse and lakehouse
- 3 **Multiple engines can access same data lake data**
- 4 The lakehouse can **access data residing in Db2, Netezza, and other data sources**
- 5 **IKC policies enforced by the lakehouse**
- 6 **Analyze Z data easily and securely** by writing to Iceberg tables with **Data Gate for watsonx**

IBM Db2 12.1 and Amazon Web Services

Partnering closely with Amazon to bring our extensive IP to AWS as fully managed services.

	AWS IaaS	AWS Marketplace	AWS EKS or ROSA	AWS SaaS
Db2	✓	✓	✓	✓
Db2 pureScale	✓	✓		
Db2 Warehouse		✓	✓	✓

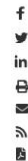
<< Self-Managed

Fully-Managed >>

IBM Signs Strategic Collaboration Agreement with Amazon Web Services to Deliver IBM Software as-a-Service on AWS

- Building on IBM Software being available as-a-Service on IBM Cloud, this first-of-its-kind agreement between IBM and AWS will provide clients with access to IBM Software that runs cloud-native on AWS

May 11, 2022



ARMONK, N.Y., May 11, 2022 /PRNewswire/ -- IBM (NYSE: IBM) today announced that it has signed a Strategic Collaboration Agreement (SCA) with Amazon Web Services, Inc. (AWS), with plans to offer a broad array of its software catalog as Software-as-a-Service (SaaS) on AWS.

Building on IBM Software being available as-a-Service (aaS) on IBM Cloud, this first-of-its-kind agreement between IBM and AWS will provide clients with quick and easy access to IBM Software that spans automation, data and AI, security and sustainability capabilities, is built on Red Hat OpenShift Service on AWS (ROSA), and runs cloud-native on AWS. The two companies are also committing to a broad range of joint investments to make it easier for clients to consume IBM Software on AWS, including integrated go-to-market activities across sales and marketing, channel incentives, developer enablement and training, and solution development for key verticals and industries such as Oil and Gas, Travel and Transportation, and others.

Today, organizations are looking for industry leading services and solutions that allow them to be nimble, flexible, and continuously scalable. This need has been further compounded as demand grows to run software both on-premises and across hybrid cloud environments so they can be scaled globally with high availability.

Moving forward, organizations will be able to run a broad array of the IBM Software catalog as cloud-native services on AWS so they can get up and running quickly to deliver business value. This includes IBM API Connect, IBM Db2, IBM Observability by Instana APM, IBM Maximo Application Suite, IBM Security ReaQta, IBM Security Trusteer, IBM Security Verify, and IBM Watson Orchestrate, with others to follow later this year.

Clients will be able to procure the IBM SaaS products in AWS Marketplace, and then set up and integrate with AWS services, allowing them to get started with just a few clicks, without deploying, updating or managing any of the infrastructure. IBM SaaS products on AWS are designed to provide high availability and elastic scaling on demand to meet unpredictable throughput needs and will offer a native AWS experience with deep integration of AWS services out of the box and support for API, CloudFormation and Terraform templates to enable automation of end-to-end workflows.

For example, using IBM Maximo Application Suite as-a-Service, a manufacturer will be able to take a flexible, demand-based approach to AI-driven asset management to help them monitor and maintain equipment more efficiently, or predict potential mechanical failures to fix them before they create interruptions. By taking advantage of a scalable consumption model for these applications, they can free up capital for innovation, prototyping, tooling and production – and easily expand their usage over time based on evolving market trends and production demands.

More Articles

IBM Federal Ecosystem Supports Executive Order Implementation

IBM Updates Benefits Program for IBMers and Retirees

IBM Announced as COP27 Technology Partner

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Additional Assets

New ! - Db2 12.1 - Cloud Services on Azure

IBM Db2
as a Service
(Bring Your Own Cloud)
on Azure

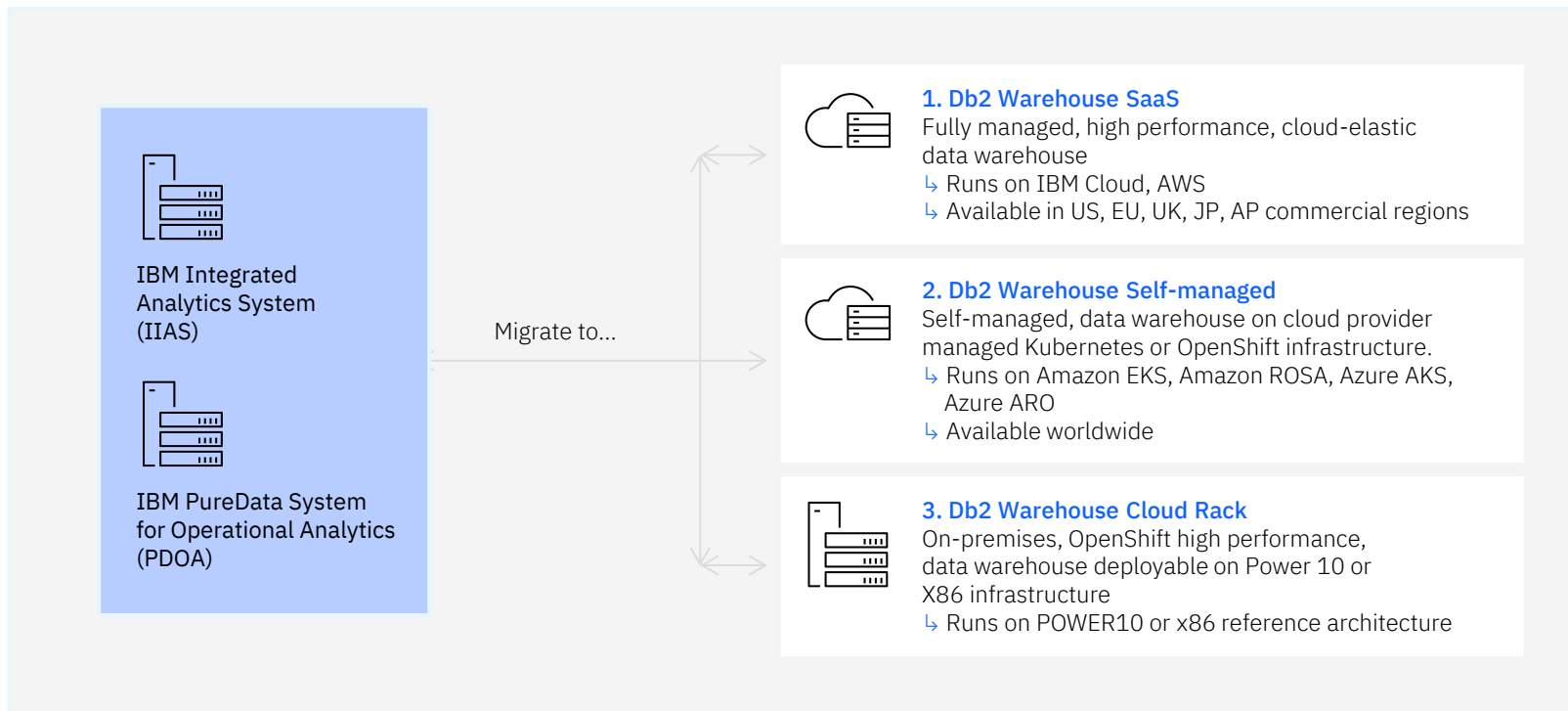
Managed, high- performing
database for mission critical
transactional and system of
record databases



IBM Db2 Warehouse
as a Service
(Bring Your Own Cloud)
on Azure

Managed, high performing
database for next
generation of analytics
workloads

Moving Forward from PDOA/IIAS



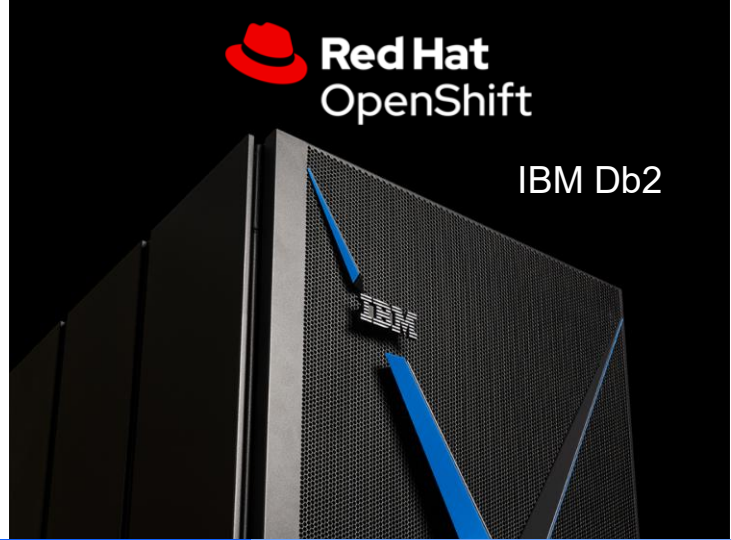
IBM Power 10 Cloud Rack for Db2 12.1 Warehouse

Complete Data Warehouse Solution

Simplify and accelerate your data warehouse deployment in days with our Power 10 based pre-configured solution that includes everything you need to securely analyze your data on your premises – including Servers, Storage, Switches, and Services!



IBM Db2



Simple

Ease into a Db2 data warehouse with a **pre-configured, all-in-one design** that removes the guess work

Fast

Get your on-premises data warehouse up and running in days vs. weeks or months to **start transforming your business faster**

Efficient

Integrate traditional environments (AIX & IBM i) and new cloud-native applications with Red Hat OpenShift **synergistically**, managed in an on-premises private cloud

Flexible

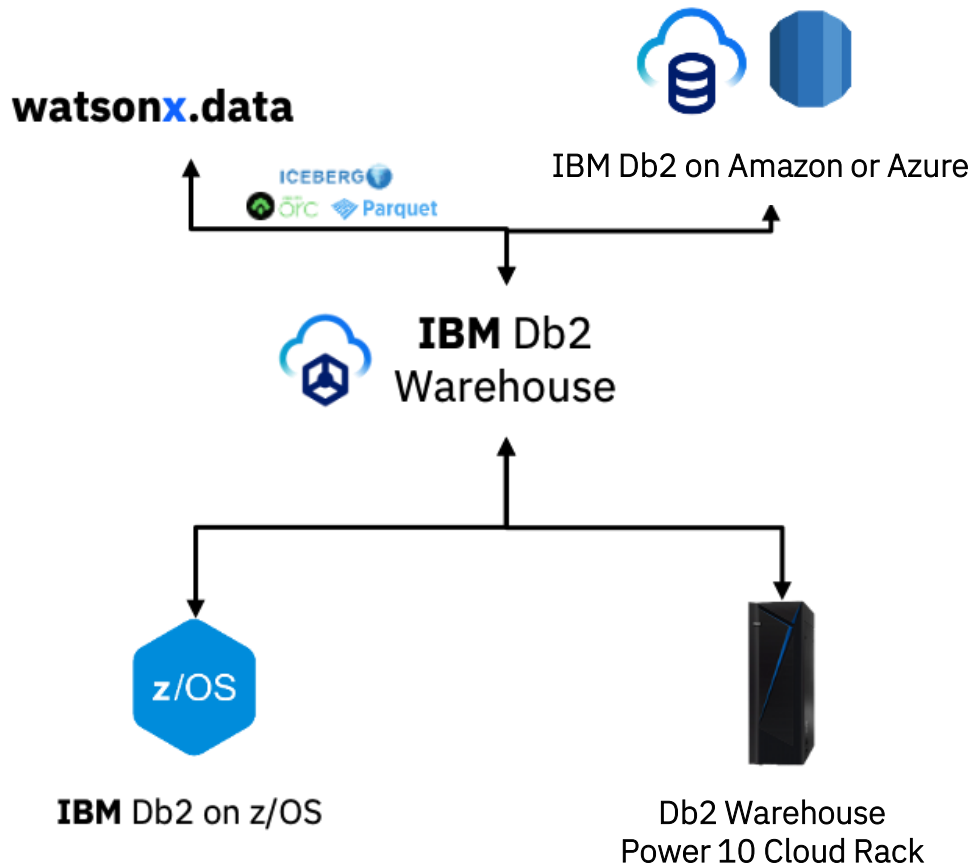
Build the data warehouse needed for today and **easily scale and adapt** as your future needs change

Open for integration

Share data with and promote data from watsonx.data with Db2's support for **open table** and **open data** formats

Zero-ETL data sync with Db2 SaaS

Perform **analytics** on Db2 for z/OS data using Db2 Data Gate



Take your next step towards becoming mission critical



Want to read more about Db2?

[Visit ibm.com/db2](https://ibm.com/db2)



Join 10's of thousands of active cloud trial users

[Start a Db2 on Cloud trial](#)

[Start a Db2 Warehouse on Cloud trial with \\$1,000 in cloud credits](#)

Get the Db2 software edition

[Try the Db2 Community Edition \(free\)](#)



Kick-start your project with the IBM Data and AI Elite team

[Book here](#)

IDUG – Active and Vital Db2 Community

- **IDUG – Active and vital Db2 community**

- International Db2 Users Group
- www.idug.org
- 10,000+ members
- Db2 LUW and Db2 for z/OS
- Worldwide

- **Events**

- India, Australia, Brazil, Mexico, Europe, USA
- Many regional user groups and events
- There's likely an active community where you are
- Face-to-face and virtual events
- **Group discounts exist**
- **Discount for first time attendees**
- **Additional specials available**

- **2025 Events**

- IDUG India – Bengaluru & Pune - February 18-20
- IDUG Australia – Sydney & Canberra – March 17-21
- IDUG NA – Atlanta, Georgia – June 8-12
- IDUG Brazil – Sao Paulo – August 18-19
- IDUG Mexico – Mexico City – August 21
- **IDUG EMEA – Dusseldorf, Germany – October 26-30**

- **Value & Highlights - Events**

- 100s of technical sessions
- IBM Sessions
- User Sessions
- Consultant Sessions
- Db2 Roadmap discussions
- Product Management & Development Executive briefings
- Product Management & Development One on One Meetings
- Special Interest Groups
- Expert Panels
- **Hands-on Workshops**
- Networking with active community and social events
- Content for beginners to Db2
- Badging & Certification Exams
- Expo hall with demos and experts

- **Value & Highlights – Membership**

- Education material
- Presentations
- **Register as a member !! It is FREE**

Db2 12.1 Overview and Strategy Update



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September 2025