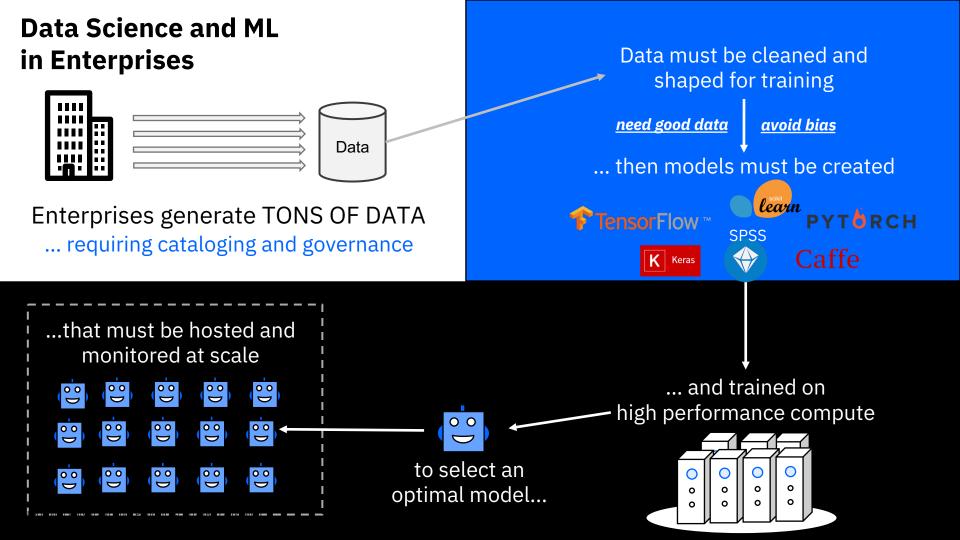
# IBM Cloud Platform Overview for Data Scientists

Thomas Schaeck Distinguished Engineer, Watson Studio









# Why are enterprises struggling to capture the value of AI?

### **Data Access**

- Data resides in silos & difficult to access
- Unstructured and external data wasn't considered

## **Data Governance**

- If the data isn't secure, self-service isn't a reality
- Challenge understanding data lineage and getting to a system of truth

## Skills

- Data Science skills are in low supply and high demand
- Nurturing new data professionals is challenging

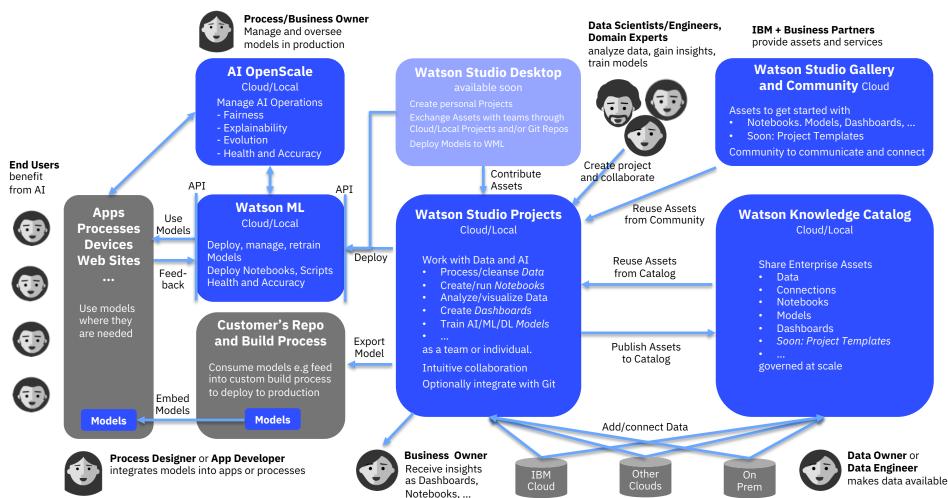
### **Tools&Infrastructure**

- Need an environment that enables quick experiments and real outcomes
- Discrete tools present barriers to productivity

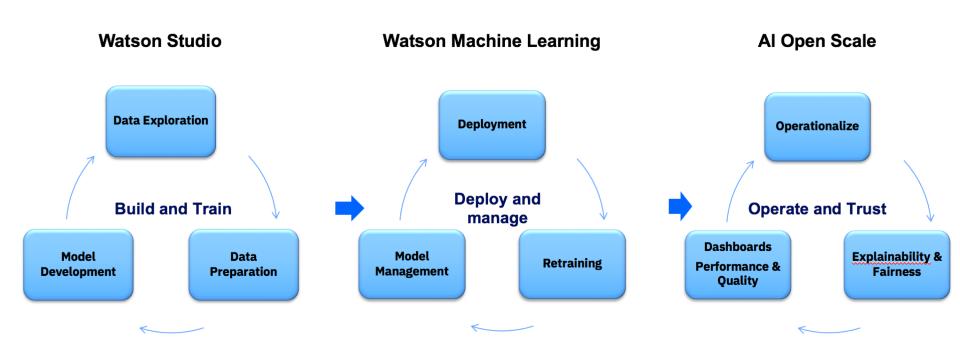
## Watson AI and Data

	Applications, solutions and services Targeted solutions for enterprise businesses	Healthcar	e Financial Services	Logistics	Store Store	atson udio & wledge atalog	IoT	Virtual agent
	Watson Al Cognitive building blocks for developers	료 Assistant		Compare and	<mark>⊣</mark> Watson M <sup>⊄</sup> Learning	Rearning Rear Rear Rear Rear Rear Rear Rear Rear		⊢ Personality ≺ Insight
		다 Visual Recognition	묩 Speech	⊡ Document <ul> <li>Conversion</li> </ul>	त Nat Languag ≺ Understandir	e ⊑ ng ⊲	⊤ Nat Language ⊂ Classifier	more
¢ ∆ ¢o	Data Tools to prepare data for AI and data persistence	Ingestion	-→ Storage	→ Analy	tics	→ Deploym	nent $\rightarrow$ C	Sovernance
$\bigcirc$	Cloud Infrastructure A highly scalable, security enabled infrastructure	Cloud Integration		Cognitive Micro-services			DevOps Tooling	
		Networking	Compute	Security Dec	dicated Compute	Virtual Compu	ute Object Storage	emore
		Public		Hybrid				Private

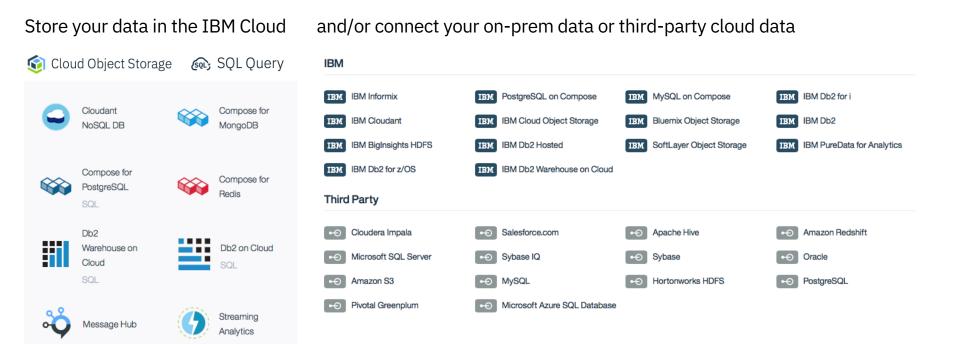
## Collecting, organizing, analyzing Data $\rightarrow$ Training and deploying Models $\rightarrow$ Managing AI Ops



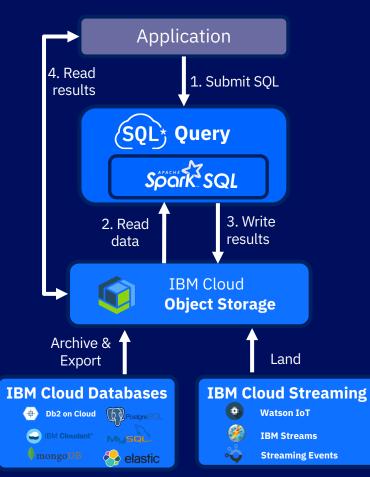
# Scaling AI in the enterprise



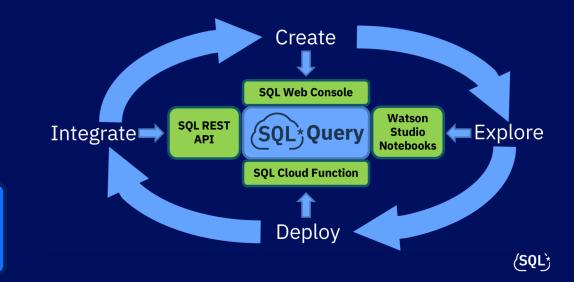
# Connect to Data in IBM Cloud Data Services, On Prem Data, or Data on other Clouds



# IBM Cloud (SQL\*Query – Serverless SQL aaS

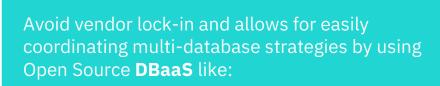


- Completely **self-service SQL** on cloud data
- Serverless scale-out SQL execution on TB of data
  - Pay per query (pennies per query)
  - Full ANSI SQL support, incl. OLAP functions & Spatial SQL
- Easy SQL operationalization for developers
  - **REST** API, **Cloud Function** integration, SDKs (**Python**, **Node.js**)



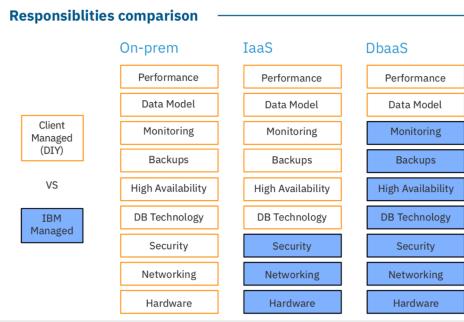
# **IBM Cloud Databases**

A **fully managed** collection of **open source** databases and **persistence** services available through a consistent consumption, pricing, and interaction model **Eliminates** the burden of **managing** infrastructure and system health as well as the associated capital expenses Allows you to **focus on** your **business** objectives rather than the operations and support of your own platform stack

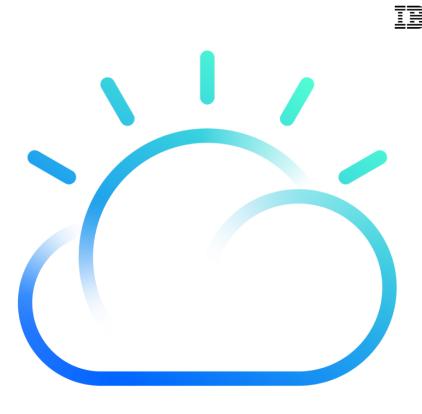


- Postgres
- Mongo
- ElasticSearch
- Redis
- RabbitMQ

- etcd
- MySQL
- ScyllaDB
- JanusGraph

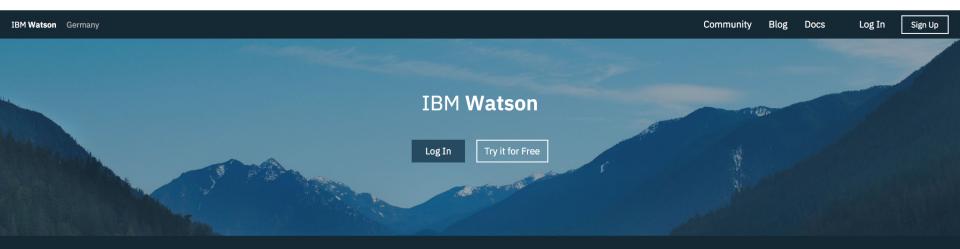


# Where to get started ?





#### New: Watson Studio Sign Up Page for Germany / EU: https://eu-de.dataplatform.cloud.ibm.com



#### Explore our apps

Use IBM Watson to collaborate and build smarter applications. Quickly visualize and discover insights from your data and collaborate across teams.



#### **IBM Watson Studio**

Democratize ML/DL to accelerate infusion of AI in your business.

Learn more

@ \_\_\_\_\_

#### IBM Watson Knowledge Catalog

Securely discover, catalog, and govern enterprise data.

Learn more

## Try Watson Studio and Knowledge Catalog

#### Powered by IBM Cloud

Take advantage of machine learning an AI to analyze your data. Catalog your data to make it easy to find. Both applications are free and without time limit!

#### Your Watson Applications

₩ Watson Studio

Machine learning and AI made easy! Solve your business problems in a collaborative environment.

#### (\*) Watson Knowledge Catalog

Connect the right data with the right people. Index, find, and protect your knowledge.

# Activate Watson applications with your IBM Cloud account

#### **Create an IBM Cloud Account**

Email

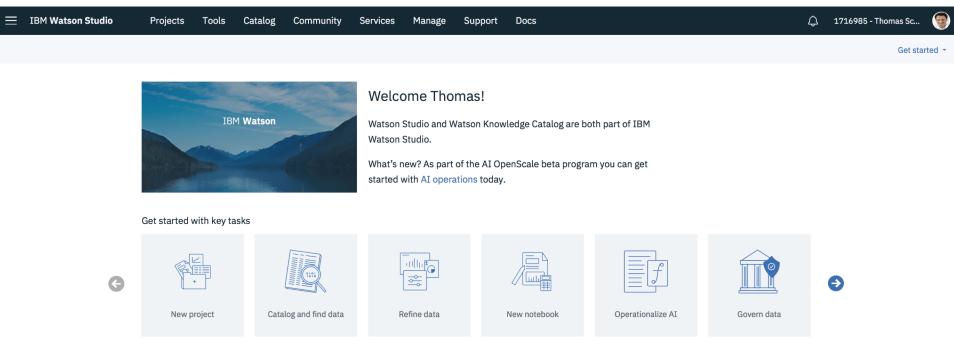
I accept the IBM Watson Studio terms and the IBM Watson Knowledge Catalog terms.

Next

#### Have an IBM Cloud account?

By clicking Log in, you agree to our terms and that you have read our Data Use Policy, including our Cookie Use.

Log in to activate Watson



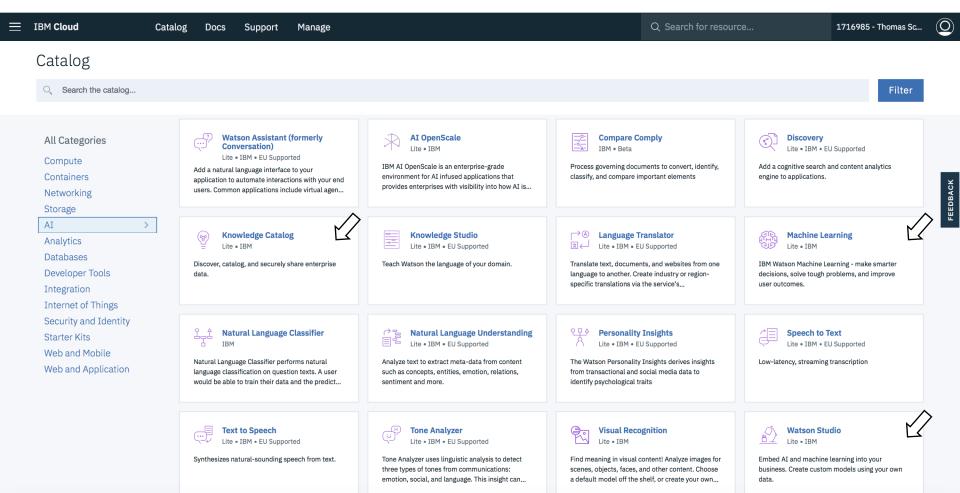
#### Recently updated projects View all (9)

(+) New project

NAME	ROLE	COLLABORATORS	DATE CREATED	LAST UPDATED
Armada TestFest7 Restricted Editor 01	Editor	🎯 SS AS +66	Sep 10, 2018	Sep 21, 2018
Armada TestFest7 Restricted Editor 02	Editor	🎯 🚯 🕐 +63	Sep 10, 2018	Sep 21, 2018
Armada TestFest7 Restricted Editor 03	Editor	🚱 AS YC +63	Sep 10, 2018	Sep 21, 2018

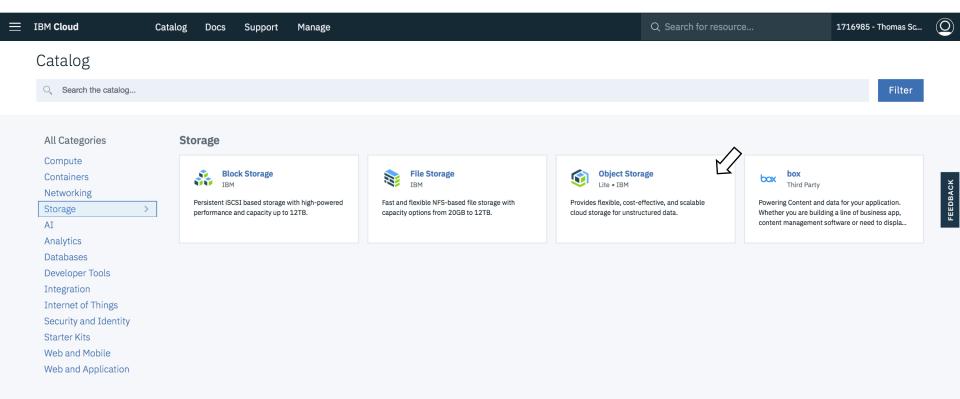
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#### Watson Studio and Watson Machine Learning in the IBM Cloud Catalog

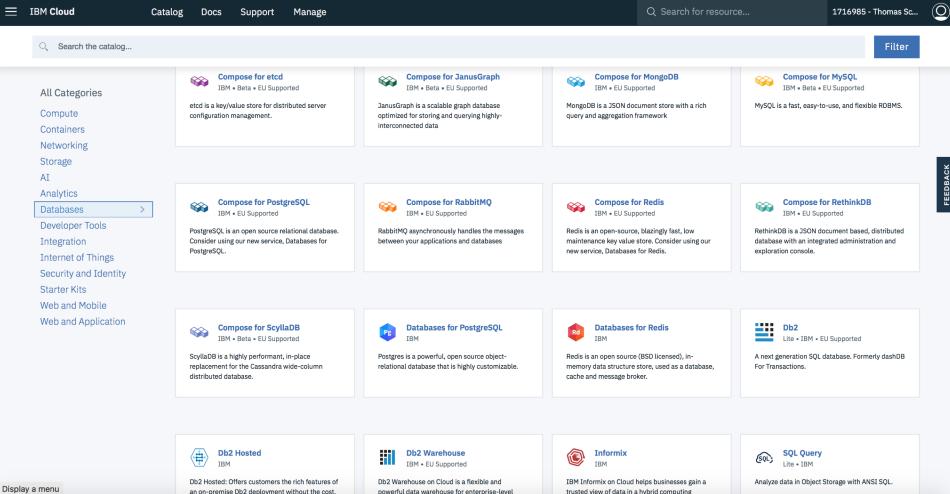


Display a menu

#### **Object Storage**



#### Database Services



FEEDBACK