

# Mortgage Approval using Cloud Pak for Data

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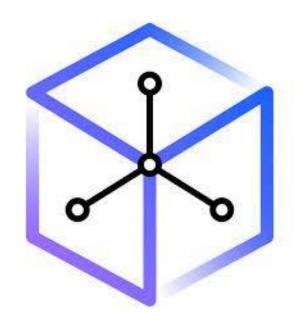
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IBM Cloud Pak

Utilizing IBM Cloud Pak for Data

Mortgage Approval Using Cloud Pak

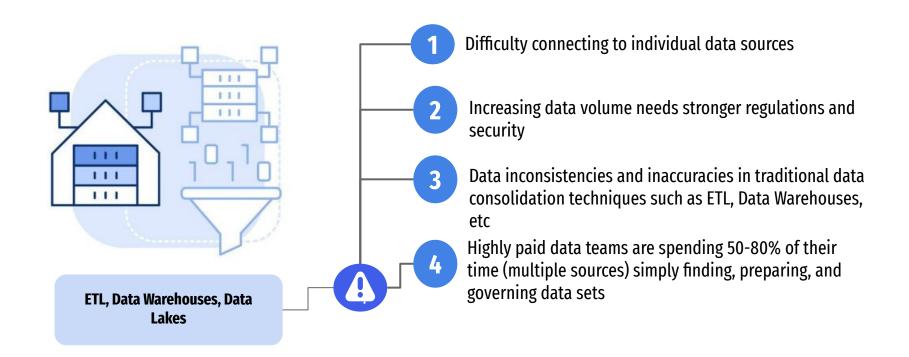




## **Overview of Data Fabric**



## **Challenges with Traditional Data Consolidation**



## **Data Fabric Features**



1 Access multiple data sources in a single query

2 Scale insights with AI /ML everywhere

Create a trusted analytics foundation

Define your business rules for centralized governance

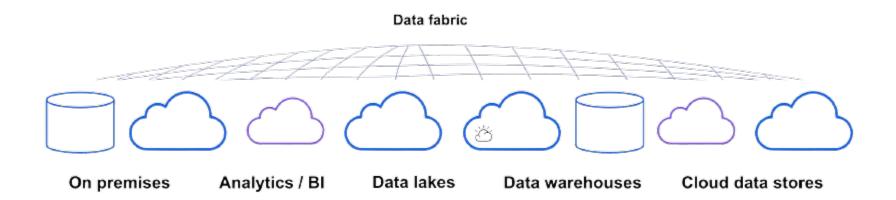
Data Fabric gives access to multiple data without having to move it to a central repository

## **Data Fabric Comparison**

Service provided	Data fabric	Data Warehouse	Data Lakes
Centralized Access to multiple data sources			
Feeds Fast moving Data on time		*	*
Doesn't require copying data or moving data		*	*
Federated Data Governance		*	*

## How to Achieve the Solution: Data Fabric

#### UNLOCK THE VALUE OF YOUR DATA IN A MULTI CLOUD DATA LANDSCAPE

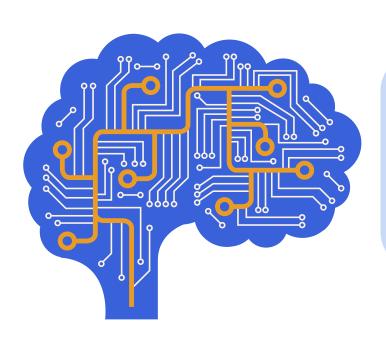


A data fabric architecture bridges the gap between the sources and provides business-ready data to support your company's needs.

## **IBM Cloud Pak**

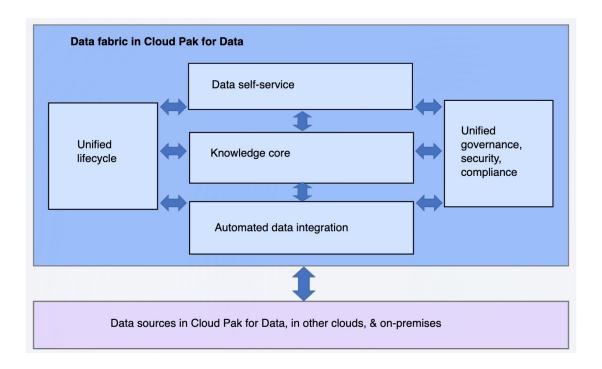


### **IBM Cloud Pak for Data**



IBM positions data fabric as an ideal approach to enabling greater use of AI/ML by providing a framework for supporting the full model development and deployment life cycle

## **IBM Cloud Pak Architecture**



Main capabilities of the data fabric and the connectivity between the platform and existing data sources.

## **Differences Between Cloud Services**

Cloud Providers	IBM Cloud Pak	Amazon Web Services	Microsoft Azure
Data fabric built in?			
Data governance built in?			
Ease of Use			*

## **Utilizing IBM Cloud Pak** for Data



## **Ready for Al**

Climb the AI ladder by using a suite of services from Cloud Pak

#### **Collect**



- Helps you connect to your data, no matter where it lives.
- Includes

   Connections page that lists connections that can be used by multiple services.

#### **Organize**



- The Watson™ Knowledge Catalog service helps organize data through data classification and governance.
- Develop an information architecture that keeps up with the scale of data.

#### **Analyze**



 Includes numerous analytics services that can help you generate scalable insight on demand.

#### Infuse



 Make AI a part of your standard operating procedure.

## **General Use Cases**

#### **Al for Financial Operations**



- Financial Planning and Analysis
- Workforce Planning
- Sales Forecasting
- Supply chain planning

#### **Self-Service Analytics**



- Build reports and dashboards that help derive business insights
- Use services provided by IBM Cloud Pak for data to persist, visualize and analyze your data at scale

#### **Al for Customer Care**



- Automate customer care by increasing customer satisfaction and decreasing resolution time
- Provide Al-powered, automated assistance via web/app

## Mortgage Approval Using IBM Cloud Pak





Create a mortgage approval model that avoids unanticipated risk and treats all applicants fairly.





#### **How To Scale IBM Cloud Pak For Data**

#### Manually scaling resources for services

 You can adjust IBM Cloud Pak for Data services by scaling the resources that they use to support high availability or to increase processing capacity. Resources can be scaled based on predefined resource configurations.

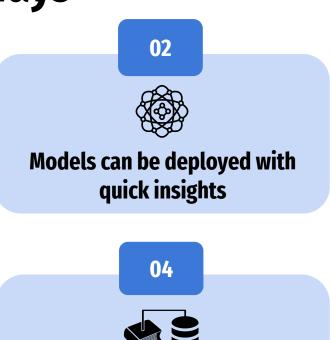
#### Automatically scaling resources for services

 Some IBM Cloud Pak for Data services support autoscaling by using the Red Hat OpenShift Horizontal Pod Autoscaler (HPA). The HPA changes the resource allocation of services by increasing or decreasing the number of pods in response to CPU or memory consumption.

Source: https://www.ibm.com/docs/en/cloud-paks/cp-data/4.5.x?topic=resources-scaling-services

## **Key Takeaways**

01 Data is easily accessible and consolidated 03 One stop for scaling and monitoring models



**Inbuilt data governance** 

## Thank you