

# Netezza Performance Server (NPS) Community



The NPS community is where you'll find the latest news about Netezza, know about important announcements, and also take part in the forums and discussions about Netezza.

[Link](#)

# Data quality: The key to building a modern and cost-effective data warehouse



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Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

# Datasphere

Storage capacity  
worldwide will **grow to  
6.8 zettabytes (ZB) this  
year**

increase of 16.6% over  
2019.

2019-2024 forecast :

**17.8% CAGR**

IDC - May 13, 2020:

<https://www.idc.com/getdoc.jsp?containerId=prUS46303920>

## Coronavirus global online traffic impact as of June 2020

Published by [J. Clement](#), Jun 19, 2020

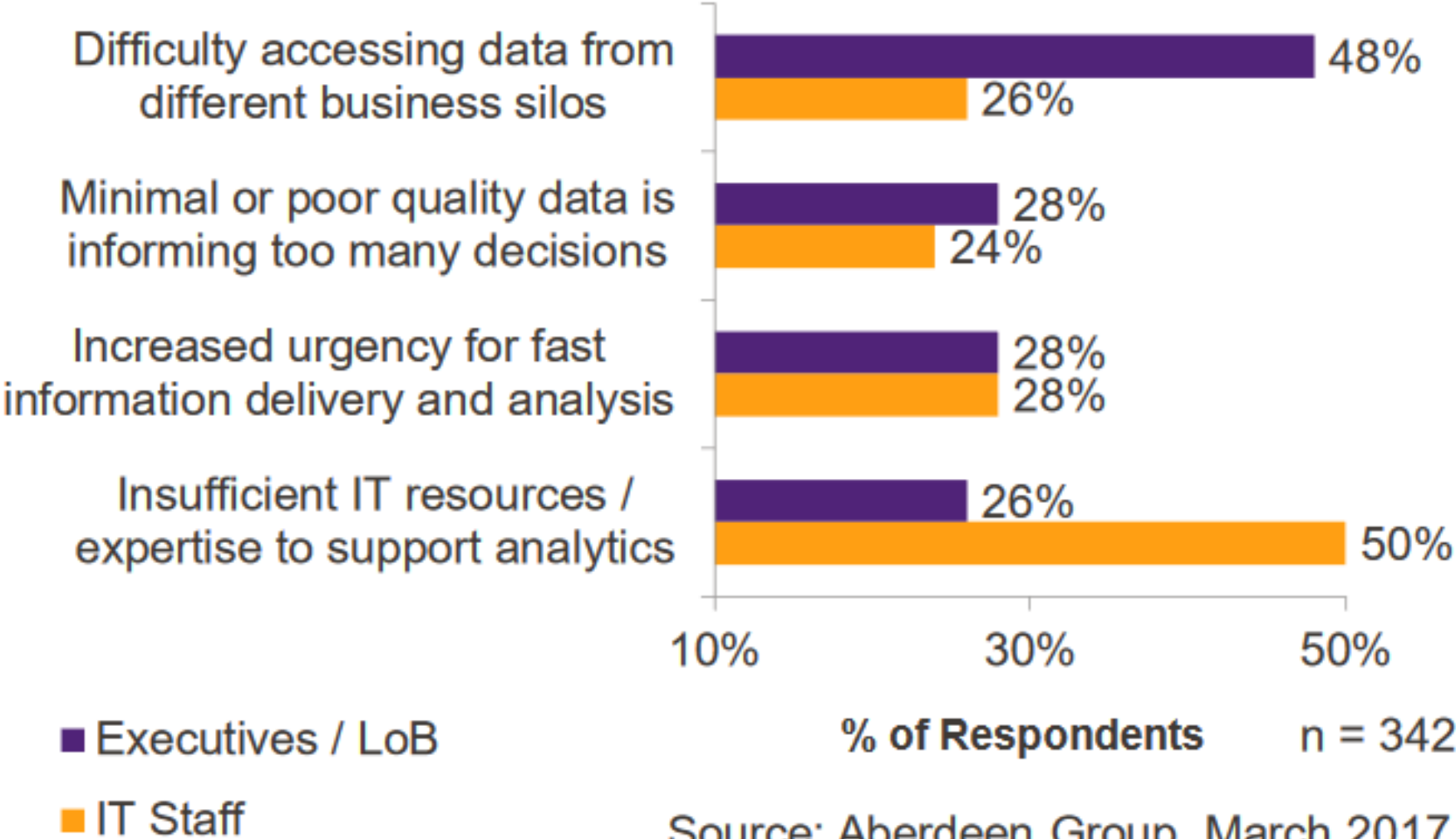


The global coronavirus pandemic is affecting consumer behavior worldwide. In the week ending June 14, online traffic across 20 different industries increased by 10.2 percent compared to the reference period in January and February 2020. Online transactions increased by 32.9 percent compared to the index period, and decreased 3.1 percent versus prior week.

For further information about the coronavirus (COVID-19) pandemic, please visit our dedicated [Facts and Figures](#) page.

<https://www.statista.com/statistics/1105495/coronavirus-traffic-impact/>

# Data disparity tops the list of LoB challenges



% of Respondents      n = 342

Source: Aberdeen Group, March 2017

# POLL - What are your current challenges?

- Difficulty accessing data from different business silos
- Minimal or poor quality data is informing too many decisions
- Increased urgency for fast information delivery and analysis
- Insufficient IT resources/expertise to support analytics

If...

Data is the new business  
model

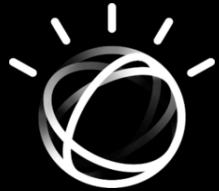
Then...



**We must redesign our information  
architecture strategy**

# The AI Ladder

A prescriptive approach to the journey to AI



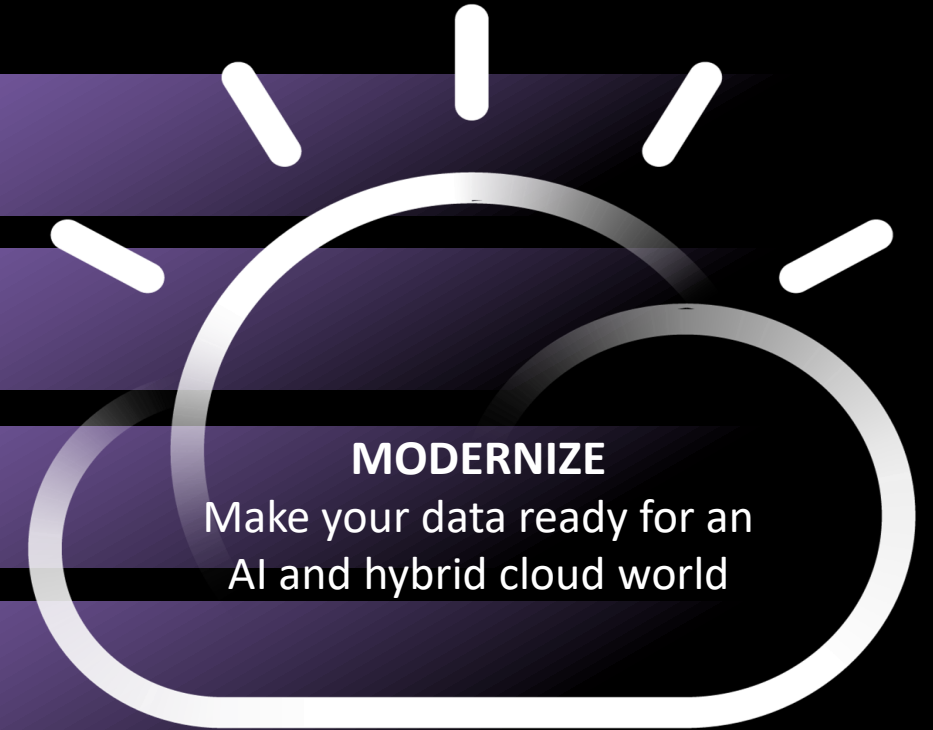
AI

**INFUSE** - Operationalize AI throughout the business

**ANALYZE** - Build and scale AI with trust and transparency

**ORGANIZE** - Create a business-ready analytics foundation

**COLLECT** - Make data simple and accessible



**MODERNIZE**

Make your data ready for an  
AI and hybrid cloud world

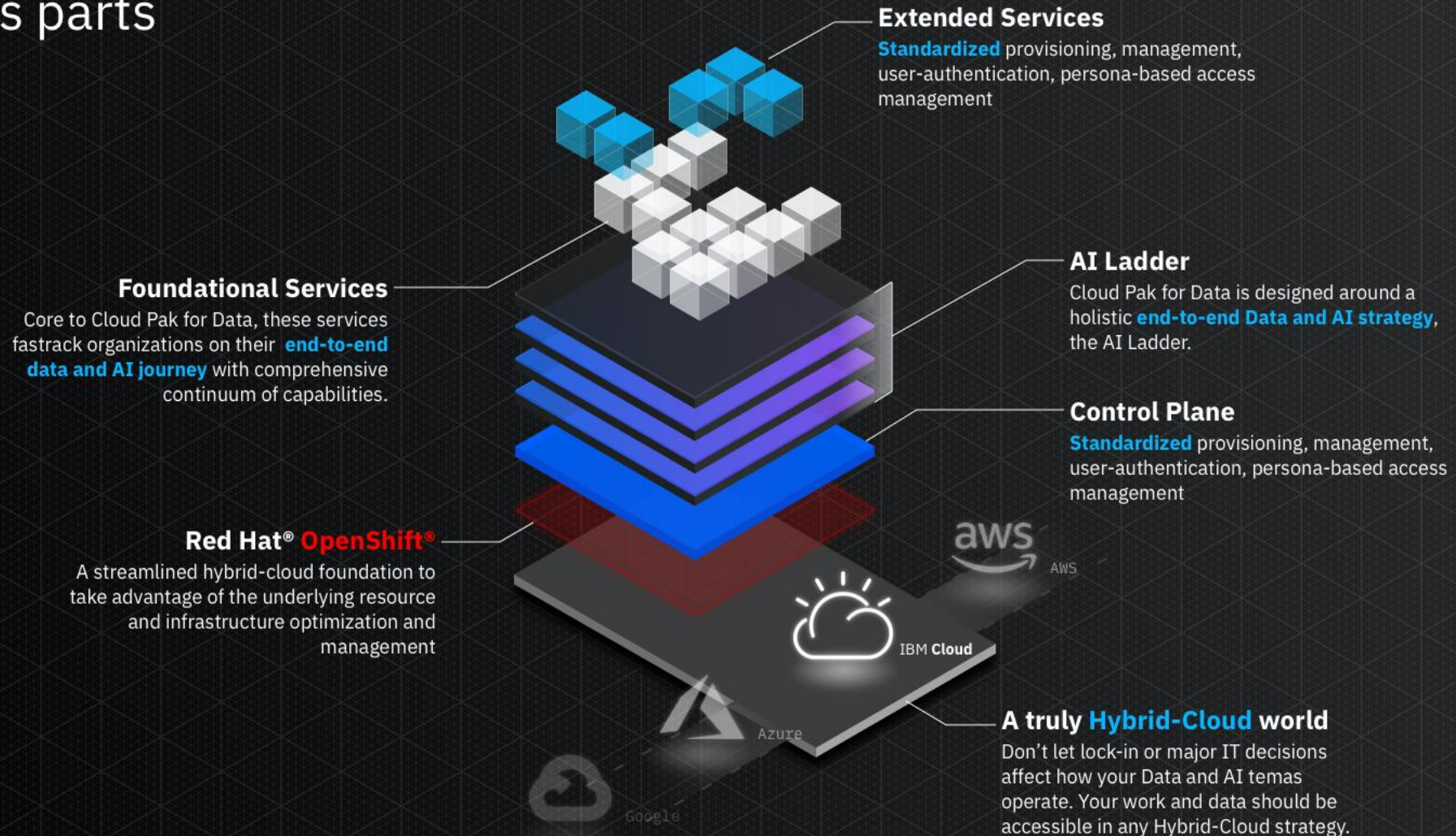
Talent &  
Skills



**One Platform, Any  
Cloud**

# IBM Cloud Pak for Data

A whole greater than the sum of its parts



# Define your Strategy

# 89%

of businesses struggle with managing data.<sup>1</sup> Understanding an organization's business goals is critical to developing an effective data strategy for analytics and AI.

Deliver business ready data fast with DataOps

<https://www.ibm.com/downloads/cas/GLNAZBXN>

## IBM DataStage

Deliver business-ready data in real time for AI with IBM Cloud Pak for Data DataStage

<https://www.ibm.com/downloads/cas/M0E2YKB6>

**Why you can't have AI without 'information architecture'**

<https://siliconangle.com/2019/02/13/cant-ai-without-information-architecture-think2019/>

Data Governance

Data masking

Optimized infrastructure

Enterprise compliance

Cost reduction

Self service data access

Automation

Cloud

IT

« I have an IA strategy »

Business

« I have an AI strategy »

Decision intelligence

Machine learning

Data science

Business intelligence

Digital transformation

AI

Trust in data

5 Steps to Build the Right AI Infrastructure in Your Organization

Gartner (2020 July 6th)

<https://www.gartner.com/document/3987153?ref=algobottomrec&refval=3986597>

# What is a Modern Datawarehouse?

*Consumable by  
various teams*

*Business leaders*

*Data scientists*

*Data Analysts*

*Data Engineers*

*IT*

Cloud based

Scalable

Cost efficient

Optimized

Business ready data fast access

High Performances

Trusted

Integration ready

Provides business value

# Netezza Performance Server for IBM Cloud Pak for Data

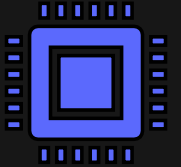
*Upgrade with a single command: On premise, multi cloud, and/or hybrid solutions*

## **nz\_migrate/nz\_restore anywhere**



- One simple command to upgrade
- Available on Cloud Pak for Data System
- Available on IBM Cloud and AWS
- Low touch to provision, scale, and maintain Netezza on the Cloud
- 100% compatibility with 3<sup>rd</sup> party Tools / apps: nz\_migrate and re-point your applications to the new Netezza Performance Server

## **100% Netezza Engine**

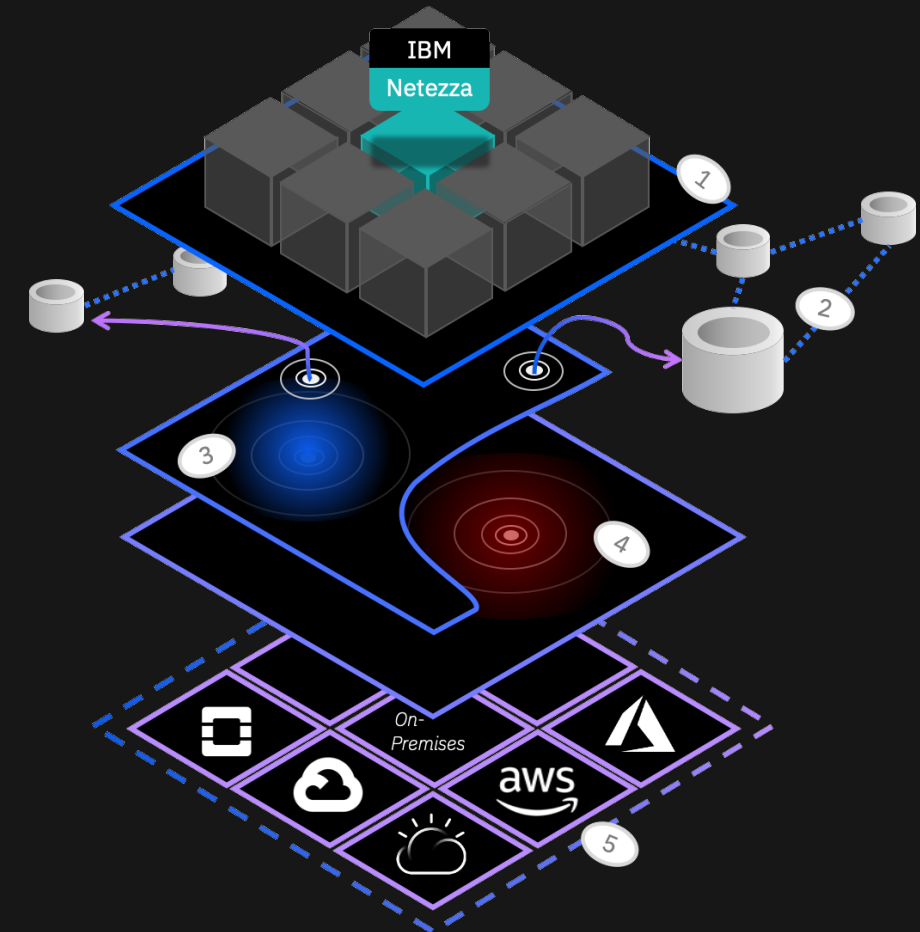


- NZ supported, mission critical matters
- New NVMe drives & Hybrid columnar with acceleration assist
- Geospatial and in-database analytics enabling Machine Learning and Data Science at scale

## **Don't get snowed by flaky vendors**



- There is no substitute to Netezza. Make them prove it – they can't!
- Netezza has frictionless migration, superior performance, simple to use and deploy and no surprise costs
- Advanced integrated Data & AI capabilities that no other vendor offers



# Cloud Pak for Data System – Hyper Converged System

Modernize your data center with Cloud Pak for Data System

- **State of the art, high performing Hardware components**

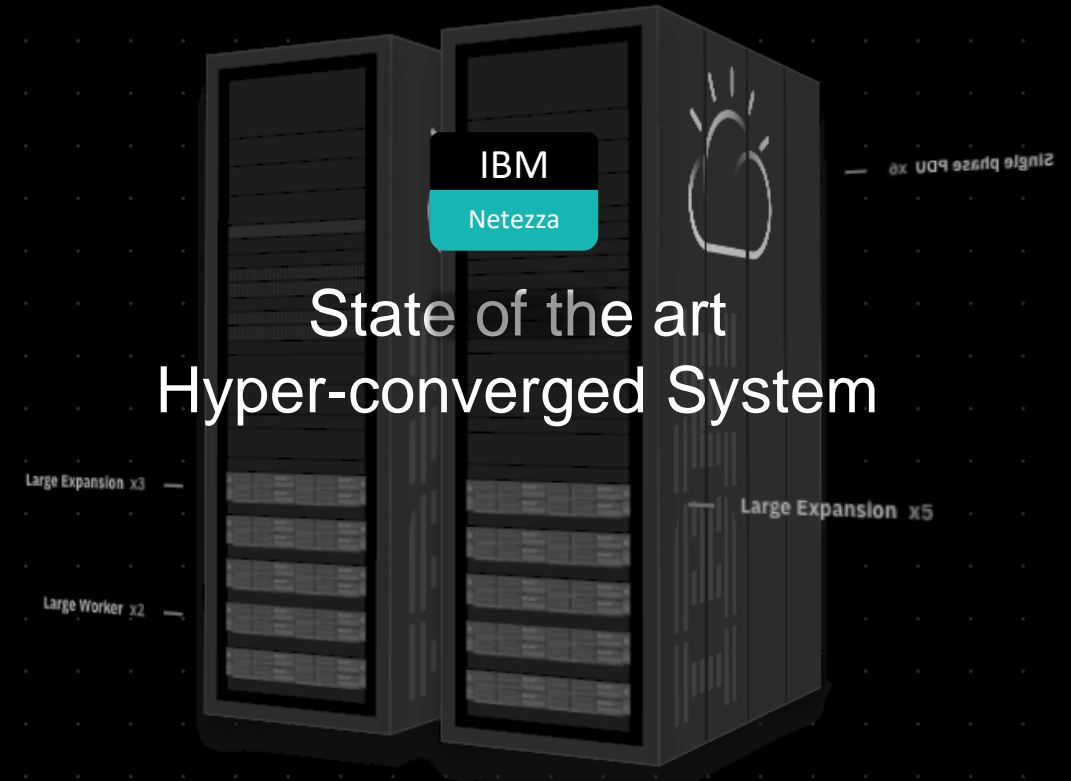
Hardware components designed to run your Data & AI workload throughout all of the steps of the AI ladder in the most effective way.

- **Extend your system depending on your need**

You buy the starter bundle and grow depending on your need by adding expansion units to your system.

- **Reduce Complexity, increase scalability!**

We deliver a Cloud-in-a-Box as hyper-converged system combining storage, compute, networking, and software into a single system. Including Lab Services and Hardware & Software Maintenance.



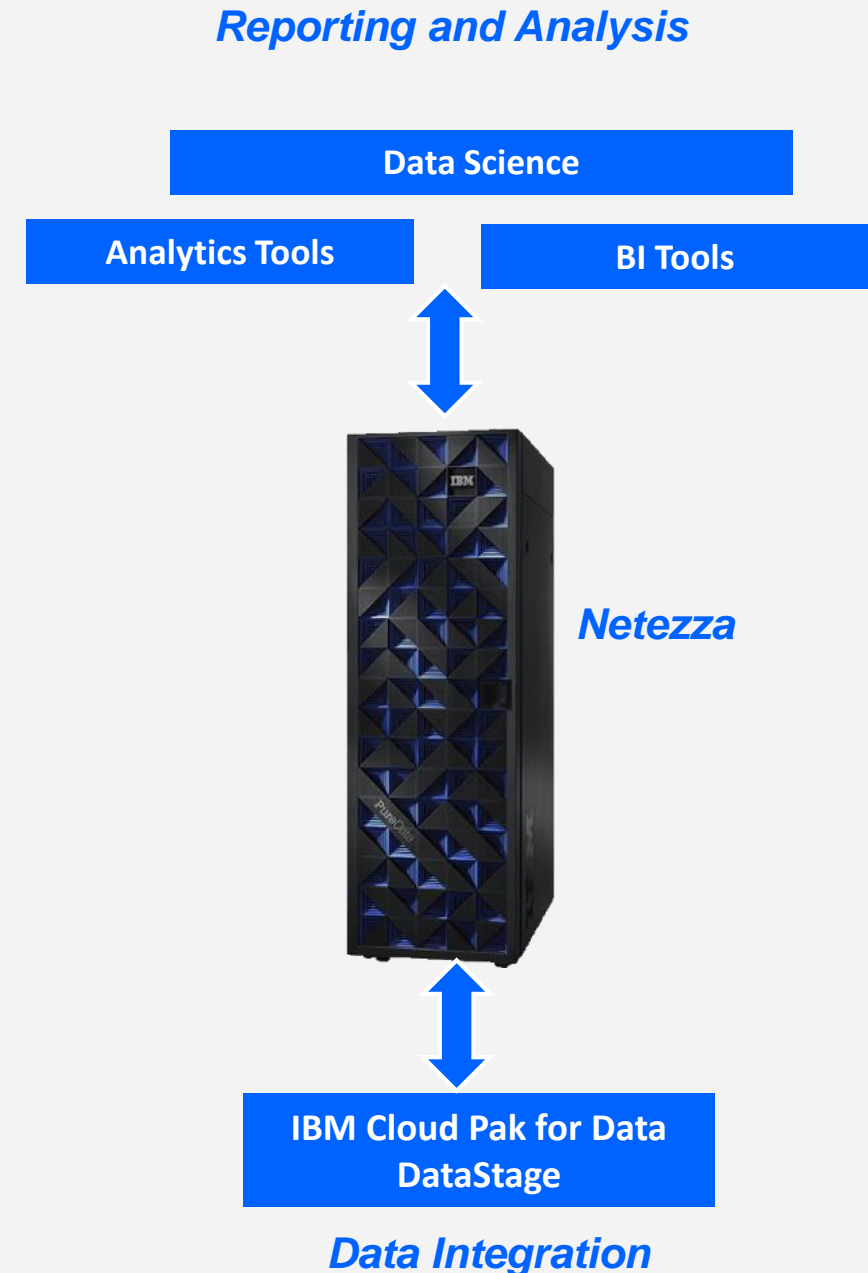
**Cloud-in-a-Box**  
with Cloud Pak for Data System

# Demo

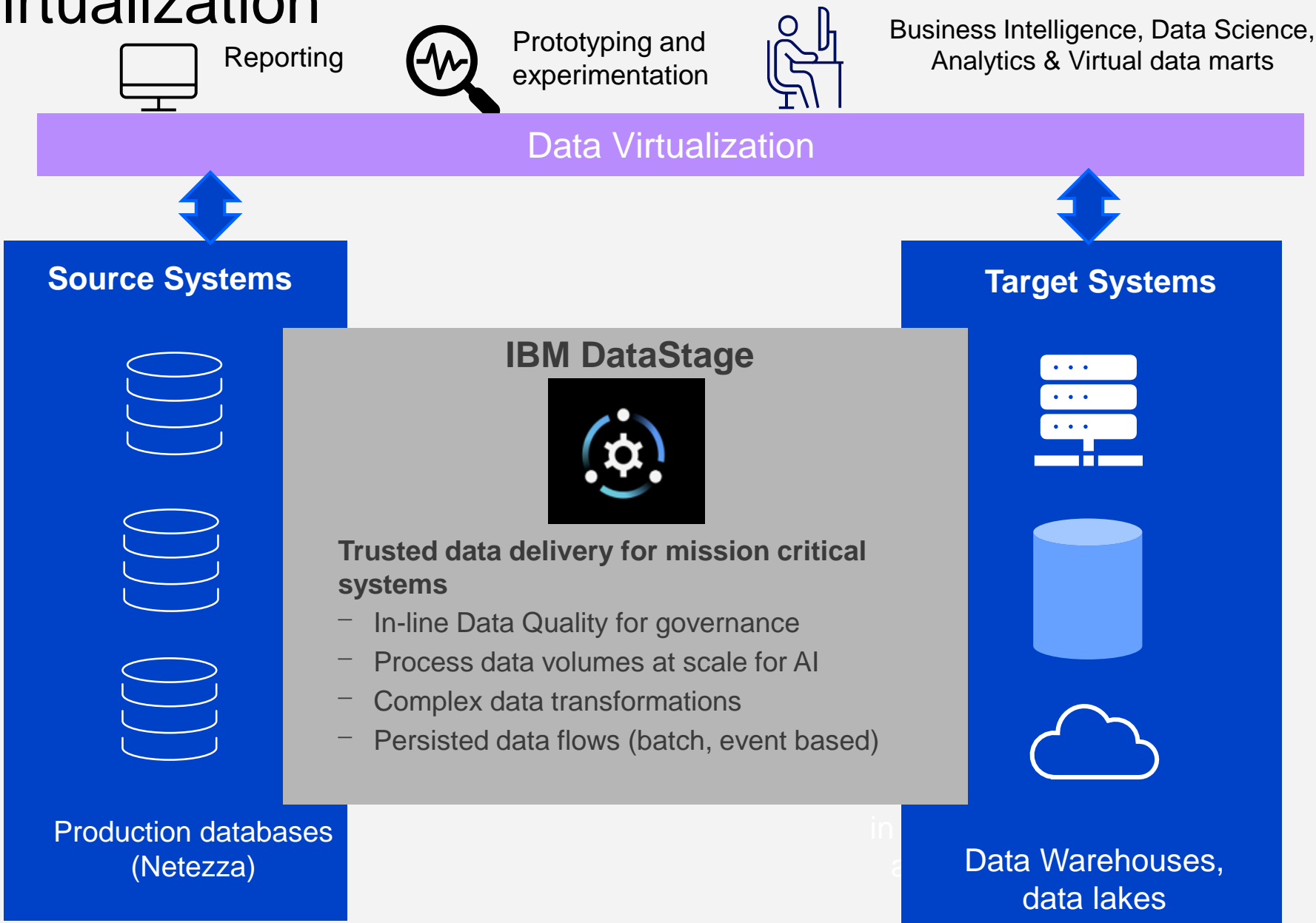


# Modernize your on-prem Data Warehouse or move to the cloud

- Cloud-ready data integration architecture for multi-cloud deployments with elastic scaling and balancing to support high data volumes
- Optimized load times with co-located IBM Netezza on IBM Cloud Pak for Data System
- Trusted data delivery with Data Lineage and in-line quality for governance initiatives
- Reduced total cost of ownership by up to 50% with automated administration of backup, recovery, and patch management
- Run your workloads more efficiently on any cloud with built-in workload balancing and parallel engine



# Use case: Agile analytics and data discovery with DataStage and Data Virtualization



# Panel Discussion



What do think are the tangible benefits to an enterprise wide approach to data quality?

What do you see as the challenges of Data Quality in the AI Ecosystem?

What are the cost savings and business benefits enabled by a Data and AI platform across the enterprise?

**Want to learn more?**

**Read the blog – [Link](#)**

**Solution brief – [Netezza](#) + [IBM DataStage](#)**

**Join the community – [Netezza](#) + [IBM DataStage](#)**