



# It's never been easier to modernize your Db2 database to run on IBM Cloud Pak for Data

Increasingly, companies are seeking to modernize their enterprise data management to support deeper analytics and AI models. This often involves running a containerized database on a multicloud data and artificial intelligence (AI) platform. For IBM® Db2® customers, the click-to-containerize application makes it much easier to move from IBM Db2 on-premises to Db2 containerized on IBM Cloud Pak® for Data.

## Why you should containerize your database

Containerization of your SQL database has several inherent benefits for functionality:

### Portability

Once you create an executable package of software abstracted from the host operating system, applications can be written once and run anywhere.

### Speed and efficiency

Containers share the machine's operating system kernel, reducing server and licensing costs while speeding start-times.

### Isolation

Each container is isolated so one failure or the invasion of malicious code does not affect all containers in the ecosystem.

65%–85%  
reduction

in infrastructure management effort

33%  
reduction

in hardware purchases during each refresh cycle

USD 12.5–  
14.4M

in improved hardware utilization and reduced management effort<sup>1</sup>

Db2 is better on IBM Cloud Pak for Data because of data platform integration and data virtualization.

## Why Db2 is best on IBM Cloud Pak for Data

### Data platform integration

means additional data management, analytics, governance, and AI capabilities, including automation, can be provisioned quickly and flexibly on cloud-native Red Hat® OpenShift® for added scalability.

### Data virtualization

improves query performance across hybrid cloud, multicloud, and multivendor data sources.

## Why upgrading is easier than ever

In just a few simple steps, the click-to-containerize tool modernizes Db2 from bare metal to a cartridge running on IBM Cloud Pak for Data by:

**01**

Analyzing the database

**02**

Copying database-related files to the container

**03**

Re-cataloging the database

**04**

Applying updates to the instance where needed

**05**

Updating LDAP information for security administration

**06**

Resetting the console if required

There is no reverse engineering, no backup and no restore because data stays encrypted and secure throughout. After one easy operation the whole database is containerized—with Kubernetes including logs, storage paths, security settings and more.

## Learn more

Learn about Db2 on IBM Cloud Pak for Data and the click-to-containerize tool by visiting the [Db2 website](#) or scheduling a [free 30 minute discussion](#) to ask an IBM expert your questions.

## USD 5,000 cost savings

per year per data scientist on licensing costs

## 2x faster

time-to-market for models (from 48 to 24 months)

## USD 1.2– 3.4M

in data science, machine learning and AI benefits management effort<sup>1</sup>



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<sup>1</sup> New Technology: The Projected Total Economic Impact™ of IBM Cloud Pak for Data