



IDUG

2024 NA **Db2** Tech Conference

Console for every form factor of Db2

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IBM

Session Code: LUWOPS1 | Platform: LUW

Db2 Database

Deploy, develop and run mission critical workloads on the cloud-native database accessible to everyone, everywhere

Benefits

- **Control your database costs** with all-inclusive pricing and a cloud-native infrastructure built on separate storage and compute
- **Improve energy efficiency** with advanced storage compression and intelligent resource utilization for sustainable IT operations
- **Achieve business continuity** and avoid data-related outages with continuous data availability
- **Automatically secure data with built-in encryption for data in motion and at rest**
- **Simplify database administration** and maintenance with containerized engine
- **Seamlessly run analytics** on Db2 Warehouse from transactional data in Db2

Use Cases

- **Modernize mission critical apps** with Db2's high performance, continuous availability, and data-driven security, built on decades of innovation
- **Build cloud native apps** powered by high concurrency, flexible scaling, and low latency transactions available across any cloud
- **Deliver innovative customer experiences** supported by cross-region disaster recovery, built-in data governance, and extreme resiliency
- **Secure and govern your data** with Db2's built in encryption, access controls, data masking and more

Db2 Platforms and DMC Consoles

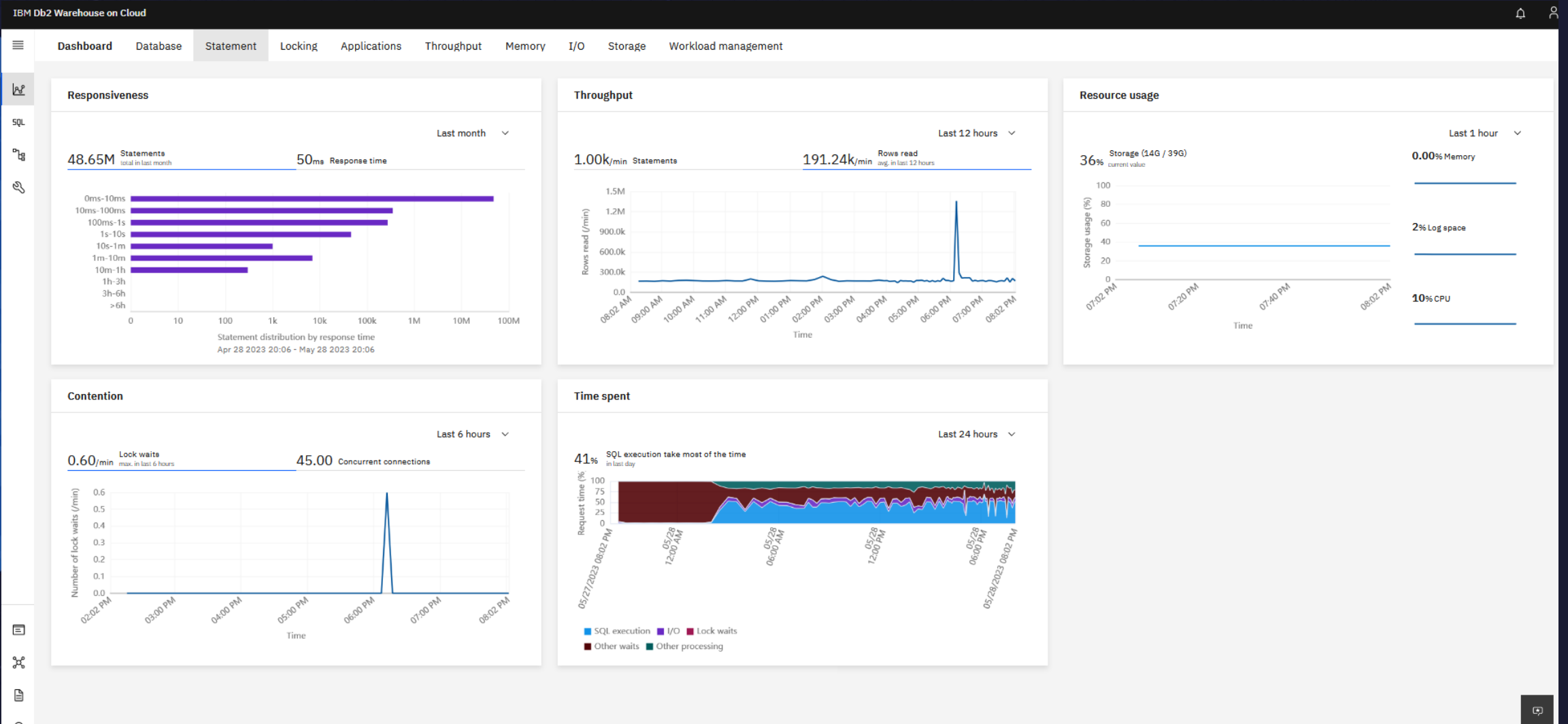
Db2 DMC	On Prem		IBM Cloud		Cloud Pak for Data				Red Hat OpenShift		AWS
	Db2	IIAS	Db2	Db2 Warehouse	Db2	Db2 Warehouse	Data Virtualization	Db2 Big SQL	Db2	Db2 Warehouse	Db2 RDS
Standalone	Green	Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
Console	Grey		Green		Green				Yellow		Yellow



Manage Db2

- Monitor Databases
- SQL editor/builder
- Run SQL
- Scale Compute and Storage
- Manage roles and authorizations
- Explore Objects
- Load/Import/Export/Import/Move/Copy Data
- User Management

Monitoring Dashboard



Explore Objects

Manipulate objects and explore relationships, generate DDL/DML based on the table definition

The screenshot displays the IBM Db2 Data Management Console interface. At the top, the title bar reads "IBM Db2 Data Management Console" and includes a notification bell with "99+", a sun icon, and a user profile icon. Below the title bar, the "Database:" dropdown is set to "jasonsample". The server information shows "Server (UTC-7) 9:59 AM".

The main navigation bar includes tabs for "Tables", "Views", "Indexes", "Remote tables", "Aliases", "MQTs", "Schemas", "Sequences", "Storage objects", "Application objects", "Authorization", "Workloads", and "Configuration". The "Tables" tab is active.

A search bar labeled "Find schemas or tables" is present. To the right of the search bar, there is a toggle for "Show system schemas" and a "Refresh" button.

The interface is divided into two main panels:

- Schemas Panel:** A table listing schemas with columns "Name", "Type", and "Tables". The "DB2INST1" schema is selected. Below the table, it shows "Total: 8, selected: 1".
- Tables Panel:** A table listing tables with columns "Name" and "Schema". The "PRODUCTSUPPLIER" table is selected. A context menu is open over this table, showing options: "Export all as CSV", "Privileges", "Generate DML", "Generate DDL", and "Drop". Below the table, it shows "Total: 24, selected: 1".

Manage privileges

Set and manage object privileges (by user, group, role)

Reports Blackouts Jobs **Users and privileges** Replication Connection profile Monitoring profile Event monitor profile Settings

Connection users **Privileges**

Find by feature

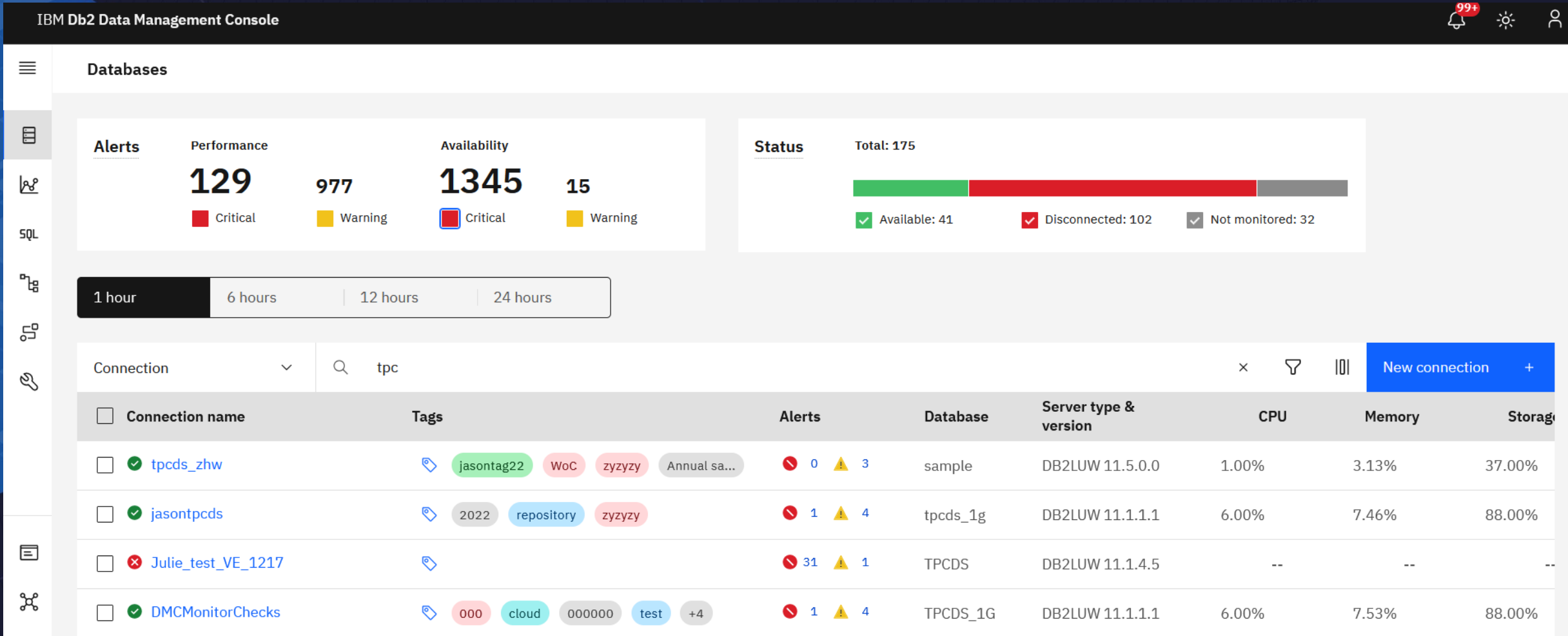
Action	Console Administrator	Database Administrator	Database User
Monitor applications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Monitor databases	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manage monitoring profiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manage event monitor profile	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run SQL statements	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View visual explain plan	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage storage objects	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage database authorization	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manage reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Cancel Restore to default Save

Databases Dashboard

Monitor hundreds of databases from a single pane of glass!

Create New Connection, Add Tags and filter by Tags, Dynamic filtering by Key KPIs



SQL Editor

IBM Db2 Warehouse on Cloud



Data objects | Saved objects

Find objects

SQL

- TESTTEST
- TESTWJW
- TEST_PRODUCTAUDIT
- TPCDS
 - Tables
 - CALL_CENTER
 - CATALOG_PAGE
 - CATALOG_RETURNS
 - CATALOG_RETURNS2
 - CATALOG_SALES
 - CATALOG_SALES2
 - CUSTOMER
 - CUSTOMER_ADDRESS
 - CUSTOMER_DEMOGRAPHICS
 - DATE_DIM
 - DBGEN_VERSION
 - HOUSEHOLD_DEMOGRAPHICS
 - INCOME_BAND
 - INVENTORY
 - ITEM
 - PROMOTION
 - REASON
 - REPAIR
 - SHIP_MODE
 - STORE
 - STORE_RETURNS
 -

* Untitled - 1 | * Untitled ... x +

Editor | Builder | Syntax assistant | Run all

```
1 SELECT "C_CUSTOMER_SK", "C_CUSTOMER_ID", "C_CURRENT_CDEMO_SK", "C_CURRENT_HDEMO_SK", "C_CURRENT_ADDR_SK", "C_FIRST_SHIPTO_DATE_SK", "C_FIRST_SALES_DATE_SK", "C_SALUTATION", "C_FIRST_NAME", "C_LAST_NAME", "C_PRE
2 FROM "TPCDS"."CUSTOMER";
3
```

Generate DML | View details

- Select
- Insert
- Update
- Delete

History

SQL Builder

IBM Db2 Warehouse on Cloud

Data objects Saved objects

Find objects

- TESTTEST
- TESTWJW
- TEST_PRODUCTAUDIT
- TPCDS
 - Tables
 - CALL_CENTER
 - CATALOG_PAGE
 - CATALOG_RETURNS
 - CATALOG_RETURNS2
 - CATALOG_SALES
 - CATALOG_SALES2
 - CUSTOMER
 - CUSTOMER_ADDRESS
 - CUSTOMER_DEMOGRAPHICS
 - DATE_DIM
 - DBGEN_VERSION
 - HOUSEHOLD_DEMOGRAPHICS
 - INCOME_BAND
 - INVENTORY
 - ITEM
 - PROMOTION
 - REASON
 - REPAIR
 - SHIP_MODE
 - STORE
 - STORE_RETURNS
 - STORE_SALES

*Untitled - 2 *Untitled ... x

Editor **Builder**

```
graph LR; A[TPCDS ITEM  
22 columns] ---|1 key| B[TPCDS INVENTORY  
4 columns]
```

Summary History **Results**

Result set 1 Details

Filter table

Truncated number of records: 546257

I_ITEM_ID	INV_QUANTITY_ON_HAND
AAAAAAAAAHNGCAAAA	501
AAAAAAAAAINGCAAAA	478
AAAAAAAAAKNGCAAAA	476
AAAAAAAAANNGCAAAA	787
AAAAAAAAAONGCAAAA	674
AAAAAAAAAOGCAAAA	805
AAAAAAAAADOGCAAAA	125
AAAAAAAAAEOGCAAAA	980

Items per page: 50 1-50 of 546257 items 1 of 10926 pages

Scale Compute and Storage

The screenshot shows the 'Compute & storage' configuration page in the IBM Db2 Warehouse on Cloud console. The page is titled 'Scaling' and includes a 'History' tab. The main section is 'Compute & storage resources', with a sub-section 'Compute' showing a vCPU dropdown set to 6, a price of \$0.54 USD per hour, and an estimated monthly cost of \$401.76 USD. Below this is the 'Storage' section, which includes a note about scaling increments and a 'Units' dropdown set to 40 GB, with a price of \$0.04 USD per hour and an estimated monthly cost of \$26.78 USD. A 'Cost comparison' table shows the current monthly cost of \$428.54 USD and the estimated monthly cost after upgrade as '---'. The 'Trigger scaling' section has two radio buttons: 'Immediately' (selected) and 'At a scheduled time'. At the bottom, there is a 'Storage autoscaling' section with a message: 'You haven't set up storage autoscaling yet.' The page includes a top navigation bar with 'Reports', 'Compute & storage', 'Backups', 'Workloads', 'Authorization', 'User management', 'Connections', 'Settings', 'Security', and 'Audit'. A left sidebar contains icons for 'SQL' and other functions.

IBM Db2 Warehouse on Cloud

Reports Compute & storage Backups Workloads Authorization User management Connections Settings Security Audit

Scaling History

Compute & storage resources

Scale your available resource to fit your current needs.

Compute

vCPU	Price/hour	Estimated cost/month
6	\$0.54 USD	\$401.76 USD

Storage

- Scaling increments are controlled by the active service plan.
- To protect your data, storage can only be increased. It cannot be decreased.

Units	Price/hour	Estimated cost/month
40 GB	\$0.04 USD	\$26.78 USD

Cost comparison

Current monthly cost	Estimated monthly cost after upgrade
\$428.54 USD	---

Trigger scaling

Immediately

At a scheduled time

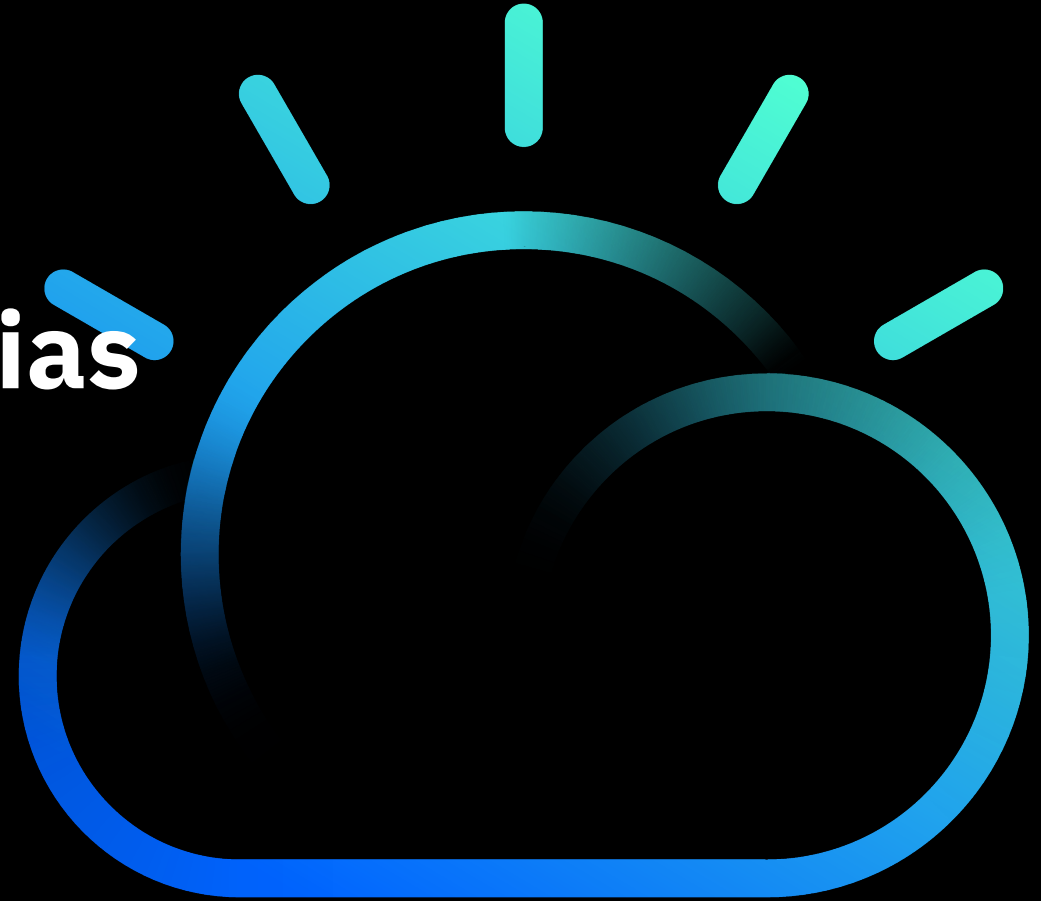
Save Cancel

Storage autoscaling

You haven't set up storage autoscaling yet.

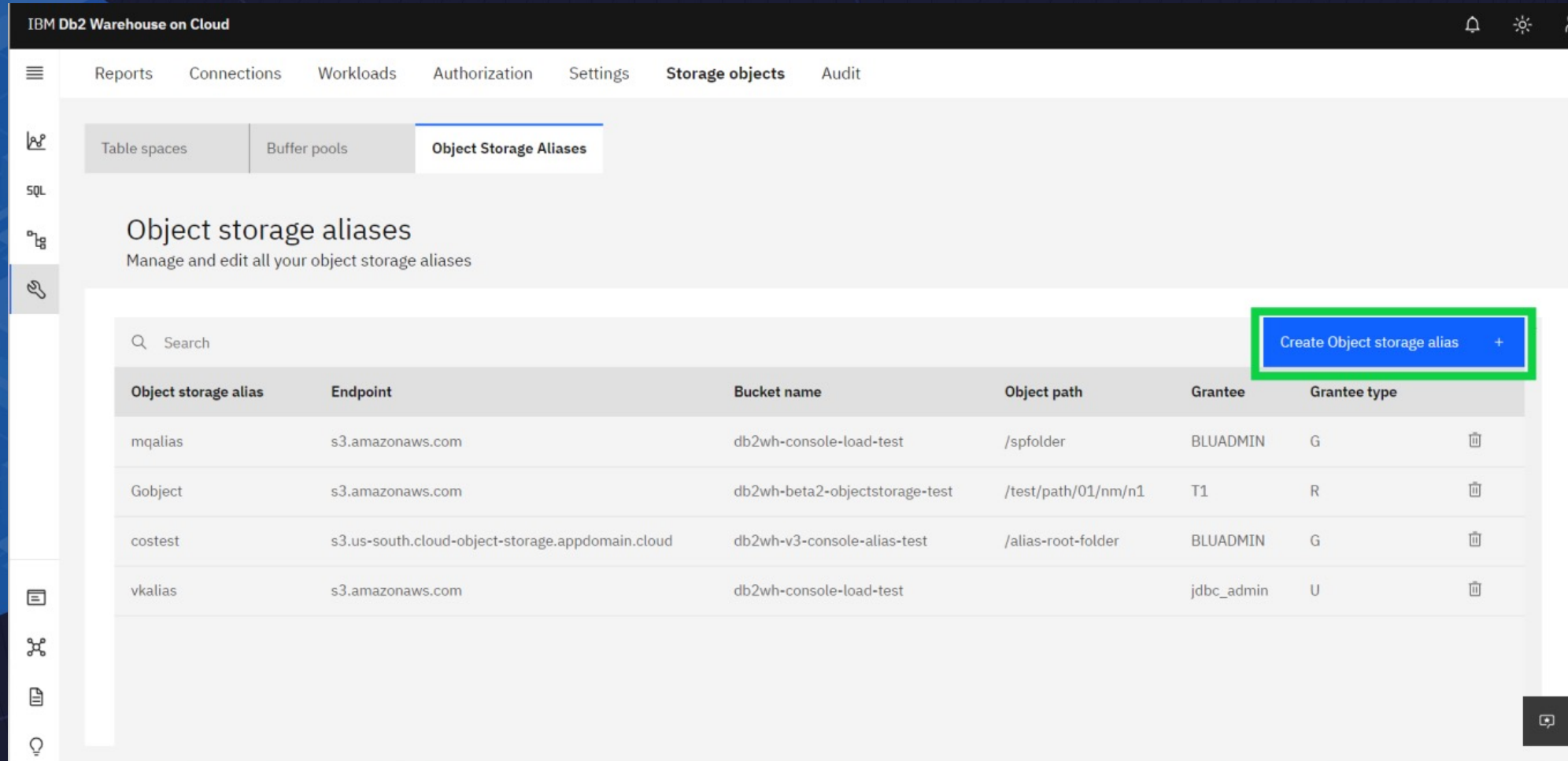
Create Object Storage Alias

Purpose: to establish connection to object storage bucket



Create Object Storage Alias (New)

To help you access object storage



The screenshot displays the IBM Db2 Warehouse on Cloud interface. The top navigation bar includes 'Reports', 'Connections', 'Workloads', 'Authorization', 'Settings', 'Storage objects', and 'Audit'. The 'Storage objects' section is active, with sub-tabs for 'Table spaces', 'Buffer pools', and 'Object Storage Aliases'. The 'Object Storage Aliases' tab is selected, showing a title 'Object storage aliases' and a subtitle 'Manage and edit all your object storage aliases'. A search bar is present above a table of existing aliases. A blue button with a plus sign, labeled 'Create Object storage alias', is highlighted with a green border. The table lists four aliases with their respective endpoints, bucket names, object paths, grantees, and grantee types.

Object storage alias	Endpoint	Bucket name	Object path	Grantee	Grantee type	
mqalias	s3.amazonaws.com	db2wh-console-load-test	/spfolder	BLUADMIN	G	🗑️
Gobject	s3.amazonaws.com	db2wh-beta2-objectstorage-test	/test/path/01/nm/n1	T1	R	🗑️
costest	s3.us-south.cloud-object-storage.appdomain.cloud	db2wh-v3-console-alias-test	/alias-root-folder	BLUADMIN	G	🗑️
vkalias	s3.amazonaws.com	db2wh-console-load-test		jdbc_admin	U	🗑️

Create Object Storage Alias

Create Object storage alias

Details

Bucket

Access Control

Summary

Details

Enter the details for your Object storage alias

Object storage alias name

duxalias

Name cannot have spaces or special characters

Select endpoint

Amazon S3 Cloud Object Storage

Endpoint URL

s3.amazonaws.com

Credentials

Enter the access key ID and the secret access key to test connection

Access key ID

AKIAQ4UAOK33BISEOR5Y

Secret access key

.....

Test Connection

You must verify the credentials are correct by successfully testing the connection

Test Connection

Cancel

Back

Next

Create Object Storage Alias

No folder is selected

Create Object storage alias

- Details
- Bucket**
- Access Control
- Summary

Select Bucket

Select the bucket for your cloud object storage

Bucket name

db2wh-console-load-test

Select Folder

Data should be same file type and schema

Folder path Folders /

Find folder or file

Folders	
-03291340	>
.db2	>
1683880593860	>
1684368341639	>
1685318770249	>
1685318770300	>

Cancel

Back

Next

Create Object Storage Alias

Create Object storage alias

- Details
- Bucket
- Access Control
- Summary

Access Control

Select the user group, user, and/or role to have access to this bucket

Role
Select role

User group
Select user group

User
jdbc_admin

Cancel Back Next

Create Object Storage Alias

Create Object storage alias

- Details
- Bucket
- Access Control
- Summary

Ensure all the details are correct connecting

Details

Edit [↗](#)

Entity	Name
Bucket alias name	duxalias
Endpoint URL	s3.amazonaws.com
Access Key ID	*****
Secret access key	*****
Bucket name	db2wh-console-load-test
Bucket path	

Access Control

Edit [↗](#)

Entity	Name
Role	-
User Group	-
User	jdbc_admin

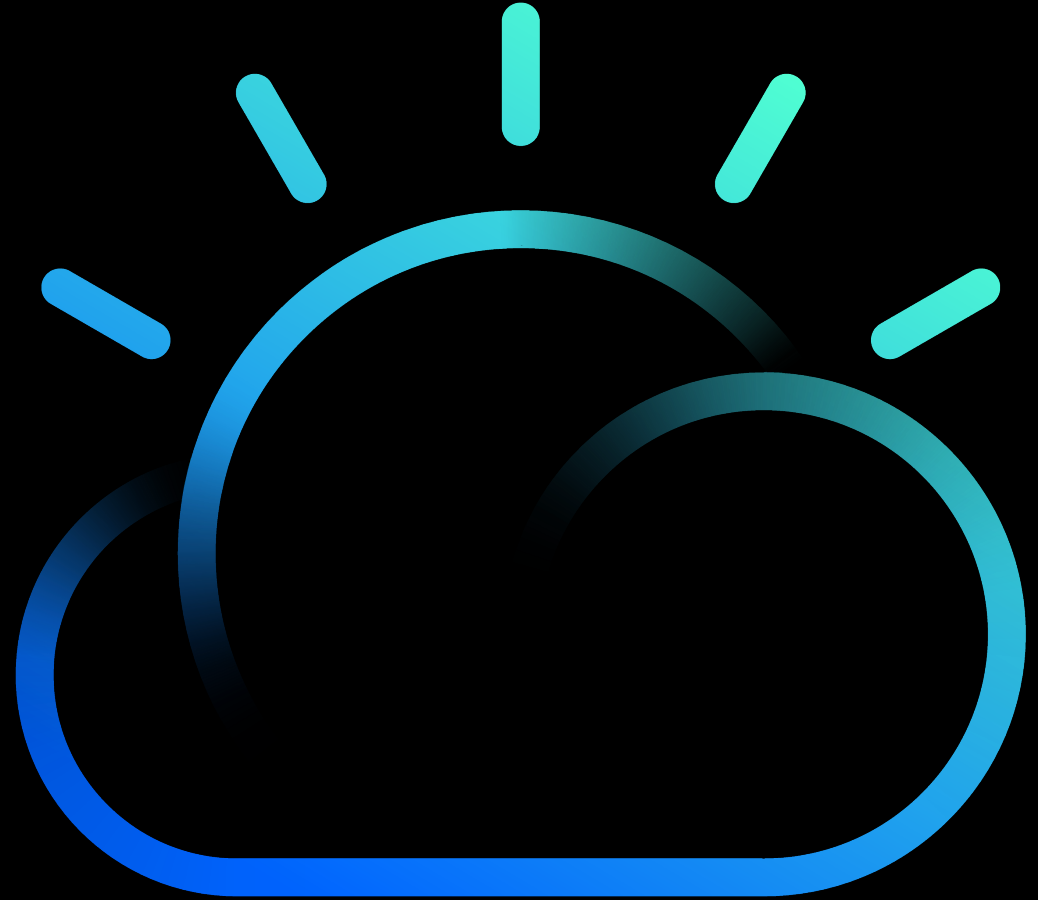
Cancel

Back

Connect

Import Data - Local

Purpose: bring in your local .csv files into Db2 tables



Import Data from local CSV file

The screenshot displays the IBM Db2 Warehouse on Cloud management console. The interface is divided into two main panels: 'Schemas' on the left and 'Tables' on the right. The 'Schemas' panel shows a list of schemas, with 'VK' selected. The 'Tables' panel shows a list of tables, with 'PID_PARTS_COPY' selected. A context menu is open over the 'PID_PARTS_COPY' table, showing options for 'Import' and 'Export list as CSV'. The 'Import' option is highlighted with a green box.

Schemas

Name	Definer type	Tables
<input type="checkbox"/> VSHEMA_GA	User	10
<input type="checkbox"/> LINYAN123	User	7
<input type="checkbox"/> MQ	User	5
<input type="checkbox"/> USERIMPORTCSV	User	5
<input type="checkbox"/> TESTNM	User	5
<input type="checkbox"/> DEFAULT	User	4
<input type="checkbox"/> LINYAN	User	4
<input type="checkbox"/> #!@#yes	User	3
<input type="checkbox"/> IMPCSVAMAZON	User	2
<input checked="" type="checkbox"/> VK	User	2
<input type="checkbox"/> NSHEMA	User	2

Tables

Name	Schema	Tablespace
<input type="checkbox"/> PID_PARTS_COPY	VK	Object OBJSTORESPACE1
<input type="checkbox"/> PRODUCT_DETAIL_DB2W...	VK	Block USERSPACE1

Import Data from local CSV file

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects


Import

File imported: -- | Target schema: VK | Target table: --

- Source
- Browse data
- Target
- Format
- Summary


Data source

Select the data source for your import

 Local


A single delimited text file from your desktop

CSV

 Object storage

An external file from your connected storage

CSV Parquet ORC

 Wastonx.data(coming soon)

A table or file from your connected Hive Metastore

Iceberg Parquet ORC

Cancel Back Next

Import Data from local CSV file

The screenshot shows a web-based 'Import' interface. On the left, a sidebar contains navigation steps: 'Source' (selected), 'Browse data', 'Target', 'Format', and 'Summary'. The main area is titled 'File source' and includes instructions: 'Select the file source for your import' and 'File max size is 500 MB. Only delimited text files are supported.' A blue box highlights a 'Drag and drop files here or click to browse' link. An 'Open' file explorer window is overlaid on top, showing the 'Downloads' folder. The file list includes:

Name	Date modified	Type
IBM Db2 Warehouse on Cloud - DUX Rev...	5/29/2023 11:40 PM	PPTX
2023_0529_1616	5/29/2023 4:16 PM	Micr...
2023_0529_0943	5/29/2023 9:43 AM	Micr...
Revenue - product detail-csv-dashdb-unt...	5/29/2023 9:08 AM	Micr...
Revenue - product detail (1)	5/29/2023 9:04 AM	Micr...
Revenue - product detail-1-csv-until2023	5/29/2023 8:37 AM	Micr...

The file explorer shows the 'File name' field with 'Revenue - product detail-csv-dashdb-until2023' and the file type set to 'All Files'. 'Open' and 'Cancel' buttons are visible at the bottom of the dialog. At the bottom of the main interface, there are 'Cancel', 'Back', and 'Next' buttons.

Import Data from local CSV file

Import

File imported: Revenue - product detail-csv-dashdb-until2023.csv | Target schema: VK | Target table: --

- Source
- Browse data
- Target
- Format
- Summary

File source

Select the file source for your import

Revenue - product detail-csv-dashdb-... x

Configurations

Code page(character encoding) ⓘ

1208 (UTF-8)

Separator

,

Data preview

Header in first row

UT L15	UT L17	UT L17 code	UT L20	UT L20 code	UT L30	UT L30 code	Family	Product group	Product name	PRODID	PRODESC	PART_DSCR_LONG
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000A01GTZX	IDWOCABCT PER MONTH	IBM DB2 WAREHOUSE ON CLOUD ADD
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000A01GTZX	IDWOCABCT PER MONTH	IBM DB2 WAREHOUSE ON CLOUD ADD
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000A01GTZX	IDWOCABCT PER MONTH	IBM DB2 WAREHOUSE ON CLOUD ADD
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000A01GTZX	IDWOCABCT PER MONTH	IBM DB2 WAREHOUSE ON CLOUD ADD
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000A01GTZX	IDWOCABCT PER MONTH	IBM DB2 WAREHOUSE ON CLOUD ADD

Cancel

Back

Next

Import Data from local CSV file

Import
File imported: Revenue - product detail-csv-dashdb-until2023.csv | Target schema: VK | Target table: --

Source
Browse data
Target
Format
Summary

Select target
Select target options for the file being imported

Selected schema: VK | Selected table: --

Search: VK [x] [↑↓] [Create schema +]

Schemas

VK	>
----	---

Search: Find table [x] [↑↓] [Create table +]

Tables

PID_PARTS_COPY
PRODUCT_DETAIL_DB2WHCC_EE

Cancel [Back] [Next]

Import Data from local CSV file

The screenshot displays the 'Import' configuration page in IBM Db2 Warehouse on Cloud. The interface includes a top navigation bar with 'Tables', 'Data lake tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Schemas', 'Sequences', and 'Application objects'. A left sidebar contains navigation options: 'Source', 'Browse data', 'Target' (selected), 'Format', and 'Summary'. The main area is titled 'Import' and shows the file 'Revenue - product detail-csv-dashdb-until2023.csv' being imported into schema 'VK'. A 'Select target' section is active, with a search for 'VK' in the 'Schemas' list. A 'Create table' dialog box is overlaid on the screen, featuring a 'Table name' input field containing 'PRODUCT_DETAIL_DASHDB' and two buttons: 'Close' and 'Create'.

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects

Import

File imported: Revenue - product detail-csv-dashdb-until2023.csv | Target schema: VK | Target table: --

Source

Browse data

Target

Format

Summary

Select target

Select target options for the file being imported

Selected schema: VK | Selected table: --

Q VK x ↕ Create schema +

Schemas

VK

Q Find table ↕ Create table +

Tables

PID PARTS COPY

Create table

Table name

PRODUCT_DETAIL_DASHDB

Close Create

Import Data from local CSV file

Import
File imported: Revenue - product detail-csv-dashdb-until2023.csv | Target schema: VK | Target table: PRODUCT_DETAIL_DASHDB

- Source
- Browse data
- Target**
- Format
- Summary

Select target
Select target options for the file being imported

Selected schema: VK | Selected table: PRODUCT_DETAIL_DASHDB

Search: VK [x] [↕] [Create schema +]

Schemas

VK	>
----	---

Search: Find table [↕] [Create table +]

Tables

PRODUCT_DETAIL_DASHDB
PID_PARTS_COPY
PRODUCT_DETAIL_DB2WHCC_EE

Tablespace: USERSPACE1 [v]
Select type of storage and tablespace for file being imported

Cancel [Back] Next

Import Data from local CSV file

Import

File imported: Revenue - product detail-csv-dashdb-until2023.csv | Target schema: VK | Target table: PRODUCT_DETAIL_DASHDB

- Source
- Browse data
- Target
- Format**
- Summary

Format Db2 table

Transform your Db2 table with these configurations.

Loading data through external table Yes

Maximum warnings before failing 1000

Configurations

Code page(character encoding) ① 1208 (UTF-8)

Separator ,

Null value NULL

Escape character

Data preview

⚠ Validation of data type is based on small sample of data. Header in first row

UT_L15	UT_L17	UT_L17_code	UT_L20	UT_L20_code	UT_L30	UT_L30_code	Family	Product_group	Product_name	PRODI
VARCHAR(11)	VARCHAR(5)	VARCHAR(5)	VARCHAR(5)	VARCHAR(5)	VARCHAR(5)	VARCHAR(5)	VARCHAR(5)	VARCHAR(12)	VARCHAR(33)	VARCHAR
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000,
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000,
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000,
Data and AI								DASHDB CLD	IBM Db2 Warehouse on Cloud	00000,

Cancel Back Next

Import Data from local CSV file

Import

File imported: Revenue - product detail-csv-dashdb-until2023.csv | Target schema: VK | Target table: PRODUCT_DETAIL_DASHDB

- Source
- Browse data
- Target
- Format
- Summary**

Summary

Review all selections are correct before finishing your import

Source

Name	Value
File source	Local

[Edit](#)

Browse data

Name	Value
File	Revenue - product detail-csv-dashdb-until2023.csv

[Edit](#)

Target

Name	Value
Target table	New table
Table name	PRODUCT_DETAIL_DASHDB
Schema	VK
Tablespace	USERSPACE1

[Edit](#)

Format

Name	Value
------	-------

[Edit](#)

[Cancel](#)

Back

Import

Import Data from local CSV file

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects Tasks

Tasks

Manage your in-progress and completed table tasks

Find task

<input type="checkbox"/>	Task	Source	Target	Created by	Start time	End time	Status
<input type="checkbox"/>	IMPORT	Revenue - product detail-csv-dashdb-until2023.csv	VK.PRODUCT_DETAIL_DASH...	jdbc_admin	5/30/2023 12:08:08 AM	5/30/2023 12:08:09 AM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://mqalias//spfolder/nim/n3	TESTNM.TESTOI	jdbc_admin	5/30/2023 12:02:09 AM	5/30/2023 12:02:16 AM	Success
<input type="checkbox"/>	EXPORT	TESTNM.TESTO2	DB2REMOTE://mqalias//spfol...	jdbc_admin	5/30/2023 12:00:37 AM	5/30/2023 12:00:42 AM	Success
<input type="checkbox"/>	IMPORT	db2wh-console-load-test::pentest/123 more colmn 2.txt	IMPORTCSVAMAZON.NO1	jdbc_user	5/29/2023 11:57:43 PM	5/29/2023 11:57:48 PM	Success
<input type="checkbox"/>	IMPORT	db2wh-console-load-test::et/mq/export/externai_table_source1.csv	IMPORTCSVAMAZON.NO1	jdbc_user	5/29/2023 11:56:37 PM	5/29/2023 11:56:42 PM	Success
<input type="checkbox"/>	IMPORT	db2wh-console-load-test::pentest/123 less1 .txt	IMPORTCSVAMAZON.NO1	jdbc_user	5/29/2023 11:55:36 PM	5/29/2023 11:55:42 PM	Success

Import from Object Storage (new)


Import

File imported: pid_n_parts | Target schema: VK | Target table: --

- Source
- Browse data
- Target
- Format
- Summary


Data source

Select the data source for your import

 **Local**


A single delimited text file from your desktop

CSV

 **Object storage**

An external file from your connected storage

CSV Parquet ORC

 **Wastonx.data(coming soon)**

A table or file from your connected Hive Metastore

Iceberg Parquet ORC

Importing from object storage

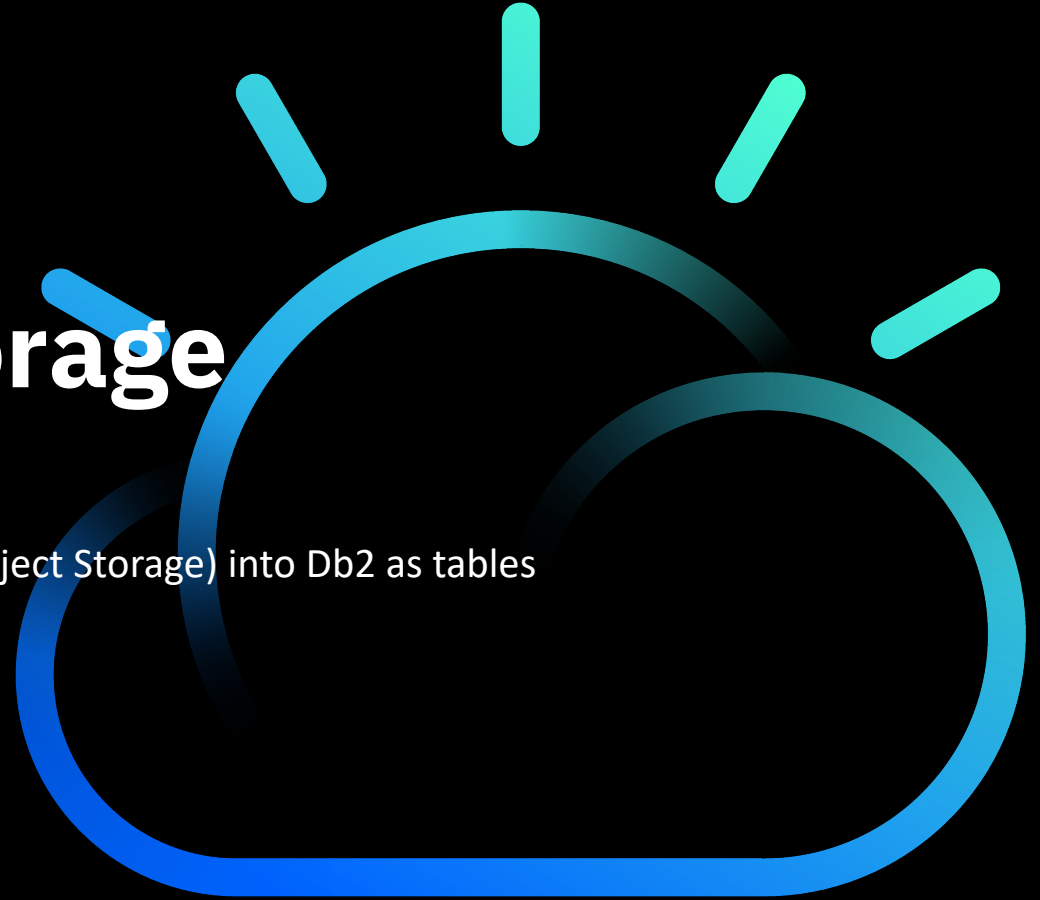
Are you importing a CSV file?

Yes No

Cancel Back Next

Import Data – Object Storage

Purpose: bring in files from object storage (Amazon S3 or IBM Cloud Object Storage) into Db2 as tables



Import from Object Storage (new)

Import

File imported: pid_n_parts | Target schema: VK | Target table: --

- Source
- Browse data**
- Target
- Format
- Summary

Data source: Object storage

Select object storage alias, then select folder to import

Object storage alias

vkalias

Select folder

Data should be same file format

File must be selected
Folder must be selected and should match the format of the selected table.

Folder path vkalias / vkfolder / pid_n_parts /

Find folder or file

vkalias

- vkfolder
- usergroupalias
- useralias
- testUpload.txt
- spfolder
- pentest_zyanhao

Find folder or file

vkfolder

- prod_det_db2wh_ee
- pid_n_parts

Find folder or file

pid_n_parts

- metadata
- i_1685329003722_-1099793777_2...

Cancel

Back

Next

Import from Object Storage (new)

Create table

Table name

Close Create

Import

File imported: pid_n_parts | Target schema: VK | Target table: FROM_OBJ_PNP

- Source
- Browse data
- Target**
- Format
- Summary

Select target

Select target options for the file being imported

Selected schema: VK | Selected table: FROM_OBJ_PNP

Find schema ↓ Create schema +

Schemas	
test	>
test	>
vmaya	>
error	>
!@#%\$%userscvimp1	>
#\$@#!#yes	>
@new	>
DEFAULT	>

Tablespace

OBJSTORESPACE1

Select type of storage and tablespace for file being imported

Find table ↓ Create table +

Tables
FROM_OBJ_PNP
PID_PARTS
PID_PARTS_IN_OBJ
PRODUCT_DETAIL_DASHDB
PRODUCT_DETAIL_DB2WHCC_EE

Cancel Back Next

Import from Object Storage (new)

Import

File imported: pid_n_parts | Target schema: VK | Target table: FROM_OBJ_PNP

- Source
- Browse data
- Target
- Format**
- Summary

Format Db2 table

Transform your Db2 table with these configurations.

Drop temporary table

Yes

Maximum warnings before failing

1000

Data preview

⚠ Validation of data type is based on small sample of data.

pid	part	desc
VARCHAR(32592)	VARCHAR(32592)	VARCHAR(32592)
5725Z65	X0MK9LL	IBM Db2 Warehouse Virtual Processor Core Extended Support 12 Months
5725Z65	D1UTILL	IBM Db2 Warehouse for zLinux per Virtual Processor Core Monthly License
5725Z65	D1MG2LL	IBM Db2 Warehouse per Virtual Processor Core Monthly License
5725Z65	E0NTFLL	IBM IBM Db2 Warehouse for zLinux Virtual Processor Core Annual SW Subscription & Support Renewal 12 Mon...
5725Z65	E0MK9LL	IBM IBM Db2 Warehouse per Virtual Processor Core Annual SW Subscription & Support Renewal 12 Months

Cancel

Back

Next

Import from Object Storage (new)

Import

File imported: pid_n_parts | Target schema: VK | Target table: FROM_OBJ_PNP

- Source
- Browse data
- Target
- Format
- Summary**

Summary

Review all selections are correct before finishing your import

Source		Edit
Name	Value	
File source	Object storage alias	

Browse data		Edit
Name	Value	
Object storage alias	vkalias	
Folder path	/vkfolder/pid_n_parts/	

Target		Edit
Name	Value	
Target table	New table	
Table name	FROM_OBJ_PNP	
Schema	VK	
Tablespace	OBJSTORESPACE1	

Format		Edit
Name	Value	
Drop temporary table	Yes	
Maximum warnings before failing	1000	

Hide SQL ^

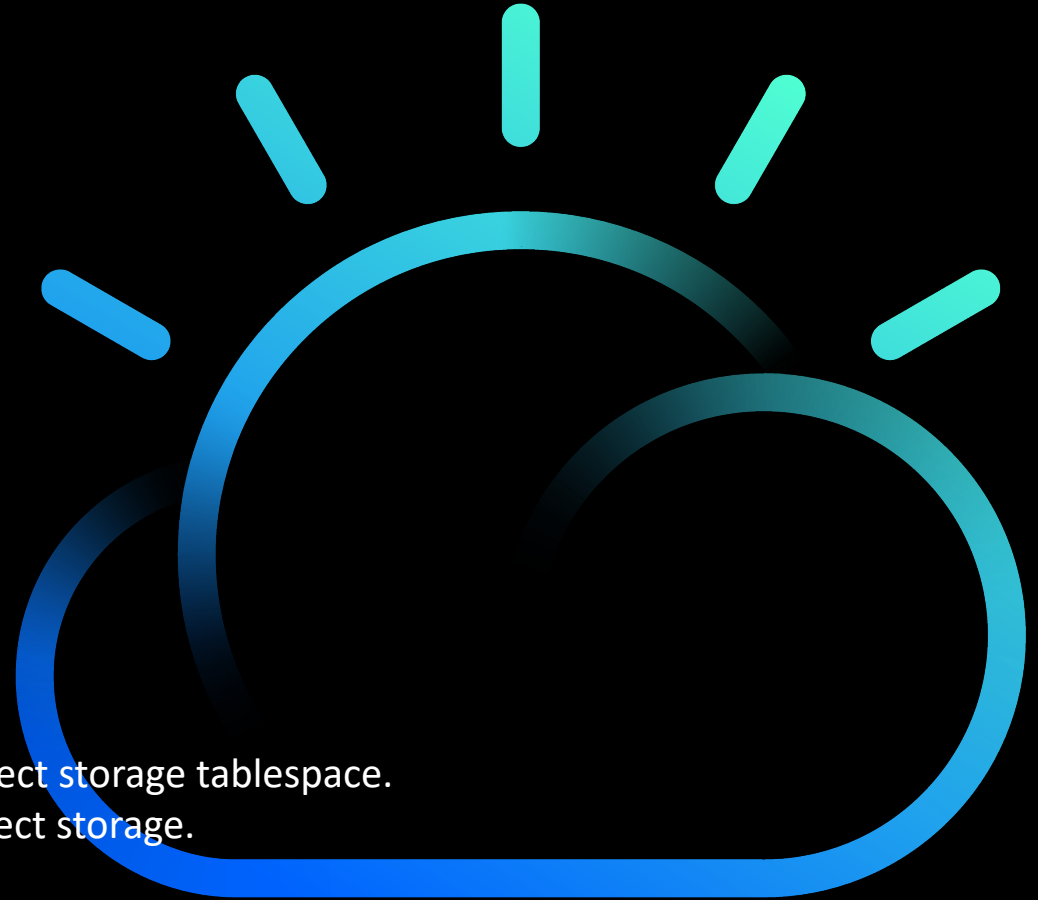
```
CREATE TABLE "VK".from_obj_pnp ( pid VARCHAR(32592) ,part VARCHAR(32592) ,desc VARCHAR(32592) ) IN OBJSTORESPACE1;
--Create a simple Datalake table.
CREATE DATALAKE TABLE "VK"."FROM_OBJ_PNP_39a5f1f5-4c3e-46d4-9655-657d13b39a10" (
  pid VARCHAR(32592) ,part VARCHAR(32592) ,desc VARCHAR(32592) ) STORED AS PARQUET location 'DB2REMOTE://vkalias/vkfolder/pid_n_parts';
CALL SYSPROC.ADMIN_CMD('LOAD FROM (SELECT * FROM "VK"."FROM_OBJ_PNP_39a5f1f5-4c3e-46d4-9655-657d13b39a10") OF CURSOR WARNINGCOUNT 1000 MESSAGES ON SERVER INSERT INTO "VK".from_obj_pnp');
DROP DATALAKE TABLE "VK"."FROM_OBJ_PNP_39a5f1f5-4c3e-46d4-9655-657d13b39a10"
```

Cancel Back Import

Copy

Purpose:

- probably to take a copy of the table prior to moving the tables into object storage tablespace.
- serves as a preparatory step to test applications prior to moving to object storage.



Copy to Object Storage (New)

The screenshot shows a database management interface with a table list and a context menu. The table list has columns for Name, Schema, and Tablespace. The table 'PID_PARTS' is selected, and its tablespace 'USERSPACE1' is highlighted with a green box. The context menu is open, and the 'Copy' option is highlighted with a green box.

Name	Schema	Tablespace
<input checked="" type="checkbox"/> PID_PARTS	VK	Block USERSPACE1
<input type="checkbox"/> PRODUCT_DETAIL_DASHDB	VK	Object OBJSTORESPACE1
<input type="checkbox"/> PRODUCT_DETAIL_DB2W...	VK	Block USERSPACE1

- Import
- Export
- Export list as CSV
- Privileges
- Move
- Copy**
- Generate DML
- Generate DDL
- Drop

Copy to Object Storage (New)

Note: Copying to another tablespace in block storage is also possible

Copy 1 tables

Select tablespace | Summary

Select which tablespace to copy your table(s) to.

Copy table(s) to: OBJSTORESPACE1

Copy table(s) to: OBJSTORESPACE1

Same schema for all tables

Select schema

Object storage restrictions [Learn more](#)

- Index not supported
- Row tables not supported

Selected table(s)

Select the schema and enter the name for your new table(s)

Find table

Table	Target schema	New table	Tablespace
PID_PARTS	VK	PID_PARTS_in_OBJ	Block USERSPACE1

Cancel | Back | Next

Copy to Object Storage (New)

Copy 1 tables

Select tablespace Summary

Target tablespace: Object OBJSTORESPACE1

Tables being moved (1) Edit

Source table	Target schema	New table
PID_PARTS	VK	PID_PARTS_in_OBJ

Show SQL

Cancel Back Copy

Tables

New table + Filter Sort More

<input type="checkbox"/>	Name	Schema	Tablespace	Properties
<input type="checkbox"/>	PID_PARTS	VK	Block USERSPACE1	...
<input type="checkbox"/>	PID_PARTS_IN_OBJ	VK	Object OBJSTORESPACE1	...
<input type="checkbox"/>	PRODUCT_DETAIL_DASHDB	VK	Object OBJSTORESPACE1	...
<input type="checkbox"/>	PRODUCT_DETAIL_DB2W...	VK	Block USERSPACE1	...

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects Task

Tasks

Manage your in-progress and completed table tasks

Find task Filter Refresh

<input type="checkbox"/>	Task	Source	Target	Created by	Start time	End time	Status
<input type="checkbox"/>	COPY	VK.PID_PARTS	VK.PID_PARTS_in_OBJ in OB...	jdbc_admin	5/30/2023 12:36:15 AM	5/30/2023 12:36:20 AM	Success
<input type="checkbox"/>	EXPORT	TESTNM.TESTO3	DB2REMOTE://mqalias//spfol...	jdbc_admin	5/30/2023 12:32:28 AM	5/30/2023 12:32:33 AM	Success

Move

Purpose:

- allows moving to object storage when the time is right (or to reverse an earlier action as needed)

Note: possible to move to/from block/object storage.



Move to Object Storage (New)

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects

Find schemas or tables Show system schemas Refresh

Schemas [New implicit schema +](#)

Name	Definer type	Tables
<input type="checkbox"/> VSHEMA_GA	User	10
<input type="checkbox"/> LINYAN123	User	7
<input type="checkbox"/> TESTNM	User	7
<input type="checkbox"/> MQ	User	5
<input type="checkbox"/> USERIMPORTCSV	User	5
<input type="checkbox"/> DEFAULT	User	4
<input type="checkbox"/> LINYAN	User	4

Tables [New table +](#)

Name	Schema	Tablespace
<input type="checkbox"/> PID_PARTS_COPY	VK	Object OBJSTORESPACE1
<input checked="" type="checkbox"/> PRODUCT_DETAIL_DASHOB	VK	Block USERSPACE1
<input type="checkbox"/> PRODUCT_DETAIL_DB2W...	VK	Block USERSPACE1

- Import
- Export
- Export list as CSV
- Privileges
- Move
- Copy
- Generate DML
- Generate DDL
- Drop

Move to Object Storage (New)

Note: Moving to another tablespace in block storage is also possible

Moving 1 table(s) ✕

Select tablespace Summary

Select which tablespace to move your table(s) to.

Move table(s) to

OBJSTORESPACE1 ▼

Object storage restrictions [Learn more](#)

- Index not supported
- Row tables not supported

Selected table(s)

Find table

Table	Tablespace
PRODUCT_DETAIL_DASHDB	Block USERSPACE1

Cancel Back Next

Moving 1 table(s) ✕

Select tablespace Summary

Target tablespace: **Object** OBJSTORESPACE1

Tables being moved (1) Edit

Table name	Source tablespace
PRODUCT_DETAIL_DASHDB	USERSPACE1

Show SQL ▼

Cancel Back Move

Move to Object Storage (New)

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects

Tasks
Manage your in-progress and completed table tasks

Find task

Move table task succeeded
Table VK.PRODUCT_DETAIL_DASHDB in USERSPACE1 was moved to tablespace OBJSTORESPACE1 successfully [Learn more](#)

12:20 AM

Task	Source	Target	Created by	Start time	End time	Status	
<input type="checkbox"/>	MOVE	VK.PRODUCT_DETAIL_DASHDB in USERSPACE1	OBJSTORESPACE1	jdbc_admin	5/30/2023 12:19:44 AM	--	In progress
<input type="checkbox"/>	IMPORT	Revenue - product detail-csv-dashdb-until2023.csv	VK.PRODUCT_DETAIL_DASH...	jdbc_admin	5/30/2023 12:08:08 AM	5/30/2023 12:08:09 AM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://mqalias/spfolder/nim/n3	TESTNM.TESTOI	jdbc_admin	5/30/2023 12:02:09 AM	5/30/2023 12:02:16 AM	Success

Tables

New table +

Name	Schema	Tablespace	Properties
<input type="checkbox"/> PID_PARTS_COPY	VK	Object OBJSTORESPACE1	...
<input type="checkbox"/> PRODUCT_DETAIL_DASHDB	VK	Object OBJSTORESPACE1	...
<input type="checkbox"/> PRODUCT_DETAIL_DB2W...	VK	Block USERSPACE1	...

Export

Purpose:

- allows the content of Db2 table data to be converted into ODF and to be stored in object storage (amazon S3 or COS)



Export (New)

Let's export an existing table in block storage

The screenshot displays the IBM Db2 Warehouse on Cloud management console. The interface is divided into two main panels: 'Schemas' on the left and 'Tables' on the right. The 'Schemas' panel lists various schemas, with 'VK' selected. The 'Tables' panel lists tables within the 'VK' schema, with 'PRODUCT_DETAIL_DB2...' selected. A context menu is open over the selected table, and the 'Export' option is highlighted with a green box. The menu also includes options like 'Import', 'Export list as CSV', 'Privileges', 'Move', 'Copy', 'Generate DML', 'Generate DDL', and 'Drop'.

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects Tasks

Find schemas or tables Show system schemas Refresh

Schemas [New implicit schema +](#)

Name	Definer type	Tables
<input type="checkbox"/> VSHEMA_GA	User	7
<input type="checkbox"/> MQ	User	5
<input type="checkbox"/> TESTNM	User	4
<input checked="" type="checkbox"/> VK	User	4
<input type="checkbox"/> #!@#!#yes	User	3
<input type="checkbox"/> DEFAULT	User	3
<input type="checkbox"/> IMPCSVAMAZON	User	2
<input type="checkbox"/> LINYAN	User	2
<input type="checkbox"/> NSHEMA	User	1

Tables [New table +](#)

Name	Schema	Tablespace
<input type="checkbox"/> PID_PARTS	VK	Block USERSPACE1
<input type="checkbox"/> PID_PARTS_COPY	VK	Object OBJSTORESPACE1
<input type="checkbox"/> PRODUCT_DETAIL_DAS...	VK	Object OBJSTORESPACE1
<input checked="" type="checkbox"/> PRODUCT_DETAIL_DB2...	VK	Block USERSPACE1

- Import
- Export**
- Export list as CSV
- Privileges
- Move
- Copy
- Generate DML
- Generate DDL
- Drop

Export (New)

Choose an object storage alias that is already created

The screenshot shows the 'Export "VK.PRODUCT_DETAIL_DB2WHCC_EE" table' dialog in the IBM Db2 Warehouse on Cloud console. The interface is divided into a left sidebar with navigation options (Target, Format, Summary) and a main content area. The 'Target' step is active, showing a 'Select target' section with the instruction 'Select object storage alias, then select folder path'. A dropdown menu for 'Object storage alias' is open, listing 'vkalias', 'mqalias', 'costest', 'vkalias', and 'duxalias'. The 'vkalias' entry is highlighted in yellow and has a checkmark. Below the dropdown is a search bar 'Find folder or file' and a list of folders: 'usergroupalias', 'useralias', 'testUpload.txt', 'spfolder', 'pentest_zyanhao', and 'pentest'. At the bottom, there are 'Cancel', 'Back', and 'Next' buttons.

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects

Export "VK.PRODUCT_DETAIL_DB2WHCC_EE" table

Target

Format

Summary

Select target

Select object storage alias, then select folder path

Object storage alias

- vkalias
- mqalias
- costest
- vkalias
- duxalias

Find folder or file

Folders

- usergroupalias
- useralias
- testUpload.txt
- spfolder
- pentest_zyanhao
- pentest

Cancel Back Next

Export (New)

Choose/create target folder in object storage

Export "VK.PRODUCT_DETAIL_DB2WHCC_EE" table

Target

Format

Summary

Select target

Select object storage alias, then select folder path

Object storage alias

vkalias

If desired object storage alias is not shown, [create object storage alias](#)

Select folder path

Select your folder path or create a new sub folder

Folder path: [Folders](#) / [vkfolder](#) / [prod_det_db2wh_ee](#) /

Find folder or file

Folders

- vkfolder
- usergroupalias
- useralias
- testUpload.txt
- spfolder
- pentest_zyanhao
- pentest

Find folder or file

vkfolder

- prod_det_db2wh_ee

Find folder or file

prod_det_db2wh_ee

Folder is empty

No content is inside this folder

Create folder

Cancel Back Next

Export (New)

Some datatypes are converted DECFLOAT, TIME..to VARCHAR/CHAR. And in case of errors, you must exclude unsupported columns. For example, BLOB/CLOB

Export "VK.PRODUCT_DETAIL_DB2WHCC_EE" table

- Target
- Format
- Summary

Select format
Select format to export your table, then adjust the configuration options based on the format selected

Format: **PARQUET**

Lakehouse export (coming soon)
Do you want to export to Lakehouse?
 Yes No

Table preview (49 columns) | **0 error** **0 warning**
Error indicates unsupported data type and data cannot be exported. Warning indicates data type is not supported and will be converted. Exclude unsupported columns to proceed.

Exclude unsupported columns

UT_L15	UT_L17	UT_L17_CODE	UT_L20	UT_L20_CODE	UT_L30	UT_L30_CODE	FAMILY	PRODUCT_GROUP	PRODUCT_NAME	PRODID	PRODESC
VARCHAR(11)	VARCHAR(22)	VARCHAR(22)	VARCHAR(19)	VARCHAR(5)	VARCHAR(3)	VARCHAR(5)	VARCHAR(15)	VARCHAR(20)	VARCHAR(39)	VARCHAR(12)	VARCHAR(3)
Data and AI	Data Management Market	Data Management Market	Databases Portfolio	20A0M	Db2	30AG3	Db2 Distributed	DB2 Enterprise - LUW	Db2 Enterprise Server Edition	00000ATA83 LL	DB2UDBEDE VU SUB
Data and AI	Data Management Market	Data Management Market	Databases Portfolio	20A0M	Db2	30AG3	Db2 Distributed	DB2 Enterprise - LUW	Db2 Enterprise Server Edition	00000ATA83 LL	DB2UDBEDE VU SUB
Data and AI	Data Management Market	Data Management Market	Databases Portfolio	20A0M	Db2	30AG3	Db2 Distributed	DB2 Enterprise - LUW	Db2 Enterprise Server Edition	00000ATA83 LL	DB2UDBEDE VU SUB

Cancel Back Next

Export (New)

Once export is done, you should see a message on the top right corner.

Export "VK.PRODUCT_DETAIL_DB2WHCC_EE" table

- Target
- Format
- Summary

Summary

Review all selections are correct before finishing your export

Target

Name	Value
Object storage alias	vkalias
Folder path	/vkfolder/prod_det_db2wh_ee/

Format

Name	Value
Format	PARQUET

[Hide SQL](#)

```
CREATE DATALAKE TABLE "VK".i1685422463286 ("UT_L15", "UT_L17", "UT_L17_CODE", "UT_L20", "UT_L20_CODE", "UT_L30", "UT_L30_CODE", "FAMILY", "PRODUCT_GROUP", "PRODUCT_NAME", "PRODI  
D", "PRODDESC", "PART_DSCR_LONG", "IN_FOCUS_", "IN_FOCUS_PRODUCT_NAME", "IN_FOCUS_TRANS_FLAG", "IN_FOCUS_SAAS_FLAG", "OFFERING_GTM_STATUS", "OFFERING_DIGITAL_SALES_FLAG", "SALES_  
PLAY", "VALUE_DRIVER", "FINANCE_MTA_FAMILY", "FINANCE_PILLAR", "TPRSS_BMDIV", "PLATFORM", "H_W_PLATFORM", "GEO_IOT", "GEO_IMT", "GEO_COUNTRY", "CHANNEL_TYPE", "CHANNEL", "CHANNEL_  
CODE", "INDUSTRY_CATEGORY_ISU_", "INDUSTRY_SECTOR_ISU_", "ISU_CODE", "KYNDRYL", "INDUSTRY_NAME_ISU_", "INDUSTRY_SECTOR_GMV_", "INDUSTRY_NAME_GMV_", "ANUITY_OR_TRANS", "FCDB_  
REVENUE_TYPE", "IBM_LOB_REV_TYPE", "IBM_LOB_BASE_REV_TYPE", "CLOUD_CATEGORY_REV_TYPE", "YEAR", "QTR", "YEAR_QTR", "ROLLING_4Q_PERIOD", "REVENUE") STORED AS PARQUET LOCATION 'DB  
2REMOTE://vkalias/vkfolder/prod_det_db2wh_ee' AS(SELECT "UT_L15", "UT_L17", "UT_L17_CODE", "UT_L20", "UT_L20_CODE", "UT_L30", "UT_L30_CODE", "FAMILY", "PRODUCT_GROUP", "PRODUCT_  
NAME", "PRODID", "PRODDESC", "PART_DSCR_LONG", "IN_FOCUS_", "IN_FOCUS_PRODUCT_NAME", "IN_FOCUS_TRANS_FLAG", "IN_FOCUS_SAAS_FLAG", "OFFERING_GTM_STATUS", "OFFERING_DIGITAL_SALES_F  
LAG", "SALES_PLAY", "VALUE_DRIVER", "FINANCE_MTA_FAMILY", "FINANCE_PILLAR", "TPRSS_BMDIV", "PLATFORM", "H_W_PLATFORM", "GEO_IOT", "GEO_IMT", "GEO_COUNTRY", "CHANNEL_TYPE", "CHANN  
EL", "CHANNEL_CODE", "INDUSTRY_CATEGORY_ISU_", "INDUSTRY_SECTOR_ISU_", "ISU_CODE", "KYNDRYL", "INDUSTRY_NAME_ISU_", "INDUSTRY_SECTOR_GMV_", "INDUSTRY_NAME_GMV_", "ANUITY_OR_  
TRANS", "FCDB_REVENUE_TYPE", "IBM_LOB_REV_TYPE", "IBM_LOB_BASE_REV_TYPE", "CLOUD_CATEGORY_REV_TYPE", "YEAR", "QTR", "YEAR_QTR", "ROLLING_4Q_PERIOD", "REVENUE" FROM "VK"."PRODUCT_  
DETAIL_DB2WHCC_EE") WITH NO DATA;  
INSERT INTO "VK".i1685422463286 SELECT "UT_L15", "UT_L17", "UT_L17_CODE", "UT_L20", "UT_L20_CODE", "UT_L30", "UT_L30_CODE", "FAMILY", "PRODUCT_GROUP", "PRODUCT_NAME", "PRODID",  
"PRODDESC", "PART_DSCR_LONG", "IN_FOCUS_", "IN_FOCUS_PRODUCT_NAME", "IN_FOCUS_TRANS_FLAG", "IN_FOCUS_SAAS_FLAG", "OFFERING_GTM_STATUS", "OFFERING_DIGITAL_SALES_FLAG", "SALES_PL
```

[Cancel](#) [Back](#) [Export](#)

Export (New)

You can always get to “Tasks” to check completion and further details

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects **Tasks**

Tasks
Manage your in-progress and completed table tasks

Find task

Task	Source	Target	Created by	Start time	End time	Status	
<input type="checkbox"/>	IMPORT	cloud-object-storage-lu-cos-standard-hm2::special.csv	I@#\$%usersvimp1.1@spe...	jdbc_user	5/29/2023 10:17:45 PM	5/29/2023 10:17:50 PM	Success with errors/warnings
<input type="checkbox"/>	EXPORT	TESTNM.TESTT2	DB2REMOTE://mqalias//spfol...	jdbc_admin	5/29/2023 10:10:01 PM	5/29/2023 10:10:07 PM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://Gobject/test/path/01/nm/n1/vm/intvarcharorc2	VSCHEMA_GA.INTVARCHAR...	jdbc_user	5/29/2023 10:01:20 PM	5/29/2023 10:01:28 PM	Success
<input type="checkbox"/>	EXPORT	VK.PRODUCT_DETAIL_DB2WHCC_EE	DB2REMOTE://vkalias//vkfol...	jdbc_admin	5/29/2023 9:54:57 PM	5/29/2023 9:55:03 PM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://mqalias//spfoder/vm/smallintvarorc	VSCHEMA_GA.TWOCOLUMNS	jdbc_admin	5/29/2023 9:53:18 PM	5/29/2023 9:53:25 PM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://mqalias//spfoder/vm/smallintvarorc	VSCHEMA_GA.TEST0530	jdbc_admin	5/29/2023 9:51:23 PM	5/29/2023 9:51:23 PM	Success
<input type="checkbox"/>	IMPORT	cloud-object-storage-lu-cos-standard-hm2::123.txt	USERIMPORTCSV.123 comb1	jdbc_user	5/29/2023 9:50:03 PM	5/29/2023 9:50:03 PM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://mqalias//spfoder/yanyh/yhantest0523_4	VSCHEMA_GA.TEST0530	jdbc_admin	5/29/2023 9:46:50 PM	5/29/2023 9:46:50 PM	Success
<input type="checkbox"/>	IMPORT	cloud-object-storage-lu-cos-standard-hm2::123 comb1 copy.txt	USERIMPORTCSV.123 comb1	jdbc_user	5/29/2023 9:45:53 PM	5/29/2023 9:45:53 PM	Success
<input type="checkbox"/>	IMPORT	DB2REMOTE://mqalias//spfoder/vm/tinyintbinaryvarbinary	#\$@#!#yes.BINARYTINYVA...	jdbc_admin	5/29/2023 9:12:18 PM	5/29/2023 9:12:18 PM	Success

Items per page: 10 11-20 of 99 items

View log

Status : COMPLETED
Task : EXPORT
Source : VK.PRODUCT_DETAIL_DB2WHCC_EE
Target : DB2REMOTE://vkalias//vkfolder/prod_det_db2wh_ee
Created by : jdbc_admin
Start time : 5/29/2023 9:54:57 PM
End time : 5/29/2023 9:55:03 PM

Script:CREATE DATALAKE TABLE "VK".i1685422463286 ("UT_L15", "UT_L17", "UT_L17_CODE", "UT_L20", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE")
INSERT INTO "VK".i1685422463286 SELECT "UT_L15", "UT_L17", "UT_L17_CODE", "UT_L20", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE", "UT_L20_CODE";
DROP DATALAKE TABLE "VK".i1685422463286;

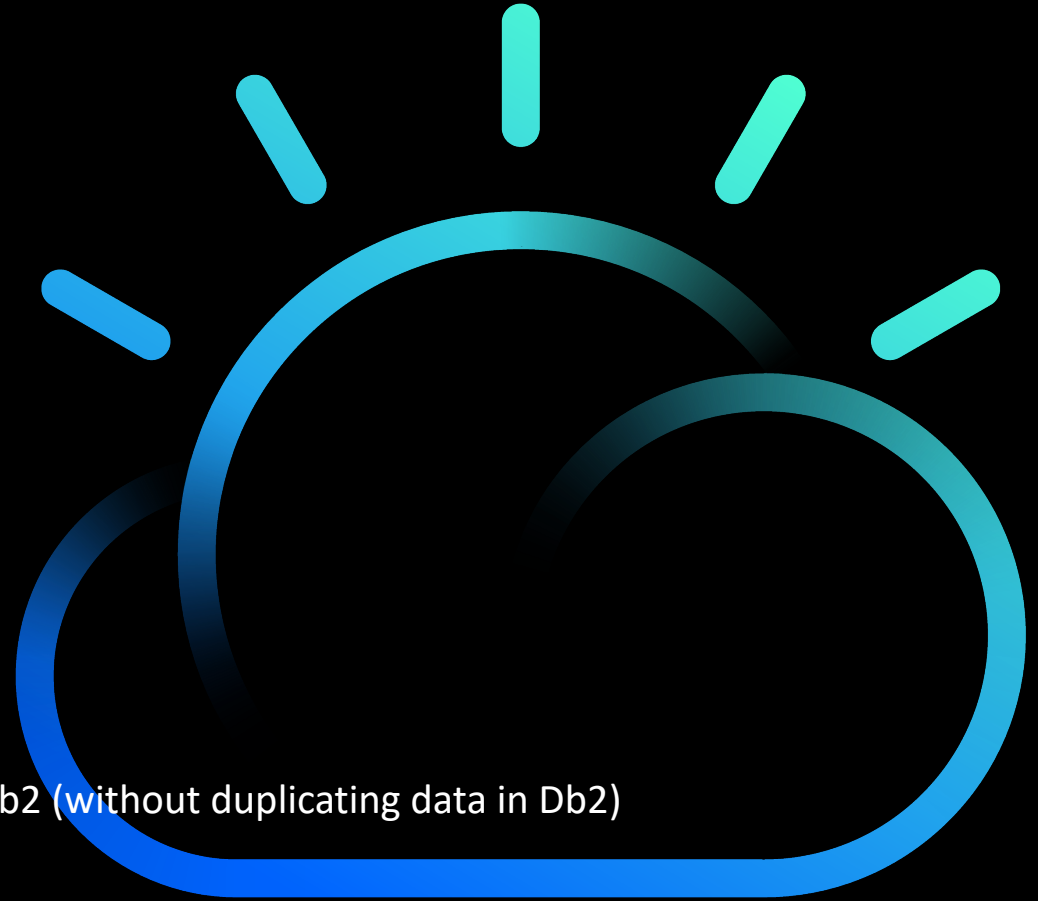
Table : PRODUCT_DETAIL_DB2WHCC_EE
Schema : VK
File_format : PARQUET

Close

Create Data Lake Table

Purpose:

- for allowing data on object storage in ODF to be queried from within Db2 (without duplicating data in Db2)



Create Data Lake Table (New)

The screenshot displays the IBM Db2 Warehouse on Cloud management console. The top navigation bar includes 'Tables', 'Data lake tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Schemas', 'Sequences', and 'Application objects'. A search bar for 'Find schemas or data lake tables' is present. The 'Schemas' section on the left lists various schemas, with 'VK' selected and highlighted by a green box. The 'Data lake tables' section on the right is currently empty, displaying a message 'You don't have any data currently' and a 'New data lake table' button, which is also highlighted by a green box.

IBM Db2 Warehouse on Cloud

Tables Data lake tables Views Indexes Aliases MQTs Schemas Sequences Application objects Tasks

Find schemas or data lake tables Show system schemas Refresh

Schemas [New implicit schema +](#)

Name	Definer type	Data lake tables
<input type="checkbox"/> test test	User	0
<input type="checkbox"/> new.new	User	0
<input type="checkbox"/> lowerschema	User	0
<input type="checkbox"/> agg\$%^&*1	User	0
<input type="checkbox"/> agg\$%^&*	User	0
<input type="checkbox"/> _vmaya	User	0
<input type="checkbox"/> VMAYA	User	0
<input checked="" type="checkbox"/> VK	User	0
<input type="checkbox"/> USERIMPORTCSV	User	0
<input type="checkbox"/> TESTSCHEMA	User	0
<input type="checkbox"/> TESTNM	User	0

Data lake tables [New data lake table +](#)

Name	Schema	Properties
------	--------	------------

You don't have any data currently

Create Data Lake Table (New)

The screenshot displays the IBM Db2 Warehouse on Cloud interface. The top navigation bar includes 'Tables', 'Data lake tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Schemas', 'Sequences', and 'Application objects'. A search bar is present with the text 'Find schemas or data lake tables'. On the right, there are options for 'Show system schemas' and a 'Refresh' button.

The 'Schemas' section on the left contains a table with the following data:

Name	Definer type	Data lake tables
<input type="checkbox"/> test test	User	0
<input type="checkbox"/> new.new	User	0
<input type="checkbox"/> lowerschema	User	0
<input type="checkbox"/> agg\$%^&*1	User	0
<input type="checkbox"/> agg\$%^&*	User	0
<input type="checkbox"/> _vmaya	User	0
<input type="checkbox"/> VMAYA	User	0
<input checked="" type="checkbox"/> VK	User	0
<input type="checkbox"/> USERIMPORTCSV	User	0
<input type="checkbox"/> TESTSCHEMA	User	0
<input type="checkbox"/> TESTNM	User	0

The 'Data lake tables' section on the right is currently empty, displaying a message: 'You don't have any data currently'. A 'New data lake table' button is highlighted with a green box in the top right corner of this section.

Create Data Lake Table (New)

Create data lake table

Schema: VK

Select file

Table

Summary

Select file

Select the file to create your data lake table

Table name

pid_n_parts

Object storage alias

vkalias



Folder restriction

The files within the selected folder must match the format you have chosen.

Folder path: vkalias / vkfolder / pid_n_parts /

<p>Find folder or file</p> <p>vkalias</p> <ul style="list-style-type: none">vkfolderusergroupaliasuseraliastestUpload.txtspfolderpentest_zyanhao	<p>Find folder or file</p> <p>vkfolder</p> <ul style="list-style-type: none">prod_det_db2wh_eepid_n_parts	<p>Find folder or file</p> <p>pid_n_parts</p> <ul style="list-style-type: none">i_1685329003722_-1099793777_20230...
---	--	--

Cancel

Back

Next

Create Data Lake Table (New)

Create data lake table

Schema: VK

Select file

Table

Summary

Summary

Review all selections before creating your data lake table

Select file

[Edit](#)

	Name	Value
Table name	PID_N_PARTS	
Object storage alias	vkalias	
File path	/vkfolder/pid_n_parts/	

Table

[Edit](#)

	Name	Value
Stored as	PARQUET	
Purge data when table is dropped	No	
Stored by iceberg	Yes	

Preview

Name	Data type ^①	Nullable	Length	Scale
pid	VARCHAR	Y	32592	--

Cancel

Back

Create

Create Data Lake Table (New)

Create data lake table

Schema: VK

- Select file
- Table
- Summary**

Summary

Review all selections before creating your data lake table

Select file [Edit](#)

	Name	Value
Table name	DLT_PROD_DET_DB2WH_EE	
Object storage alias	vkalias	
File path	/vkfolder/prod_det_db2wh_ee/	

Table [Edit](#)

	Name	Value
Stored as	PARQUET	
Purge data when table is dropped	No	
Stored by iceberg	Yes	

Preview

Name	Data type ^①	Nullable	Length	Scale
ut_l15	VARCHAR	Y	32592	--

[Cancel](#) [Back](#) [Create](#)

Create Data Lake Table (New)

The screenshot displays the IBM Db2 Warehouse on Cloud interface. The top navigation bar includes 'Tables', 'Data lake tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Schemas', 'Sequences', and 'Application objects'. A search bar is present with the text 'Find schemas or data lake tables'. On the left, a sidebar shows 'SQL' and 'Schemas' sections. The main area is divided into two panels: 'Schemas' and 'Data lake tables'. The 'Schemas' panel shows a table with columns 'Name', 'Definer type', and 'Data lake tables'. The 'VK' schema is selected and highlighted with a green box. The 'Data lake tables' panel shows a table with columns 'Name', 'Schema', and 'Properties'. The 'PID_N_PARTS' table is highlighted with a green box.

Name	Definer type	Data lake tables
<input type="checkbox"/> NSHEMA	User	14
<input type="checkbox"/> DEFAULT	User	6
<input type="checkbox"/> MQ	User	3
<input type="checkbox"/> VSCHEMA_GA	User	3
<input type="checkbox"/> NEW%40	User	1
<input checked="" type="checkbox"/> VK	User	1
<input type="checkbox"/> test	User	0
<input type="checkbox"/> "DB2INST1"	User	0
<input type="checkbox"/> test test	User	0

Name	Schema	Properties
<input type="checkbox"/> PID_N_PARTS	VK	...



IDUG

2024 NA Db2 Tech Conference

Console for every form factor of Db2

Vijaya Katikireddy

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LUWOPS1



Please fill out your session evaluation!



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