

IDUG

2026

Sydney | March 16 - 18

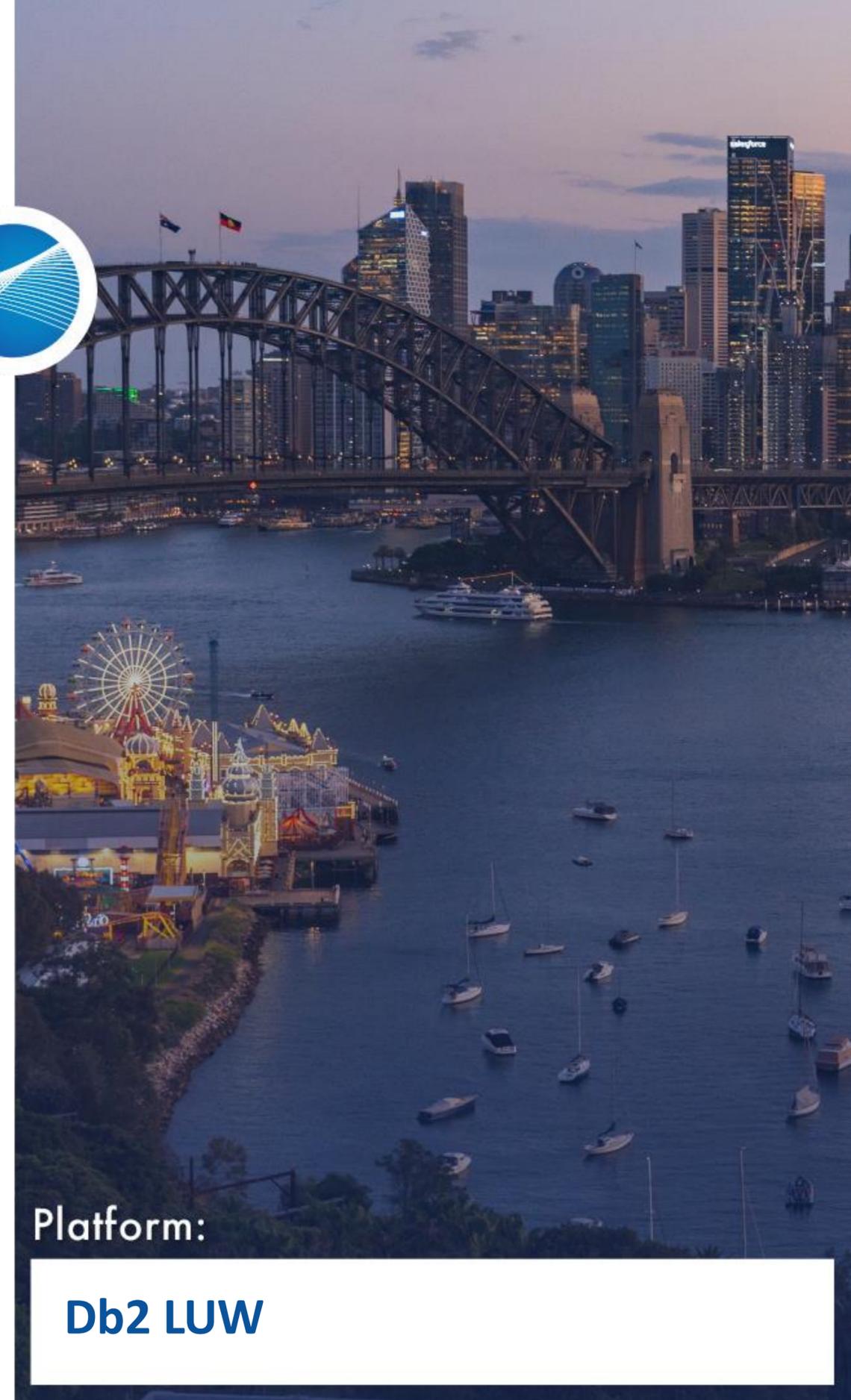
# AU Db2 TECH CONFERENCE

## Db2 Bridge Update

Greg Petrossian, *IBM*

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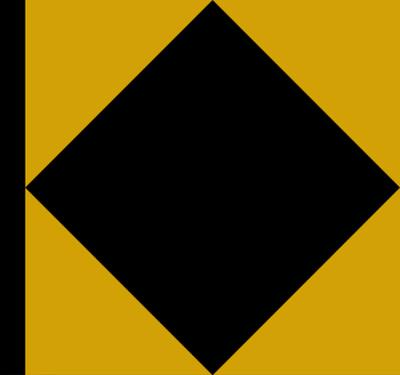
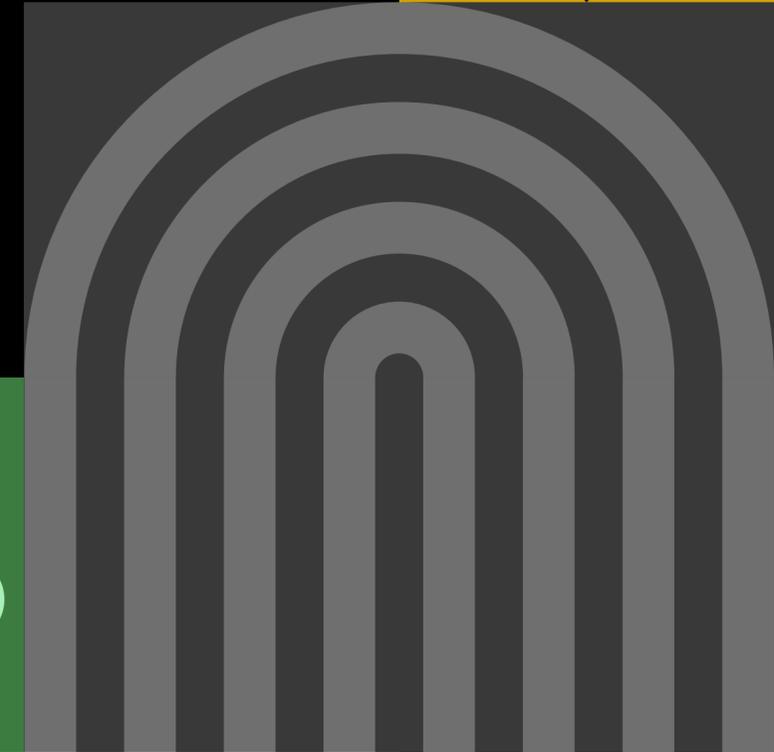
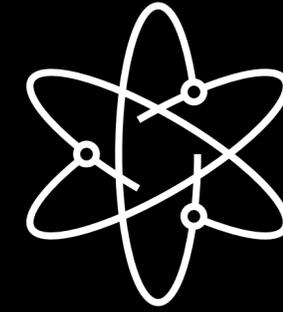
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Platform:

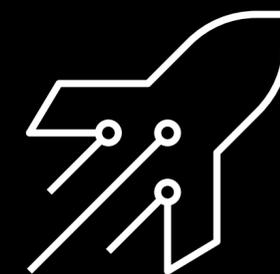
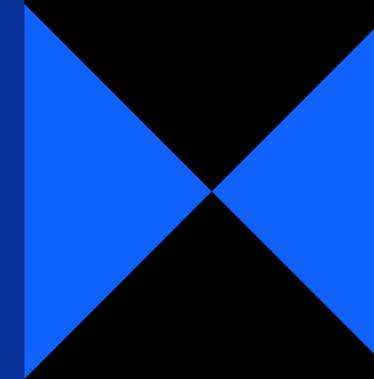
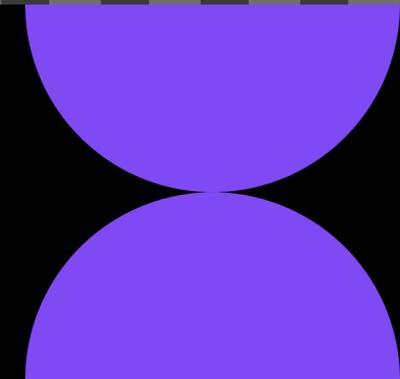
**Db2 LUW**

# IBM Db2 Bridge



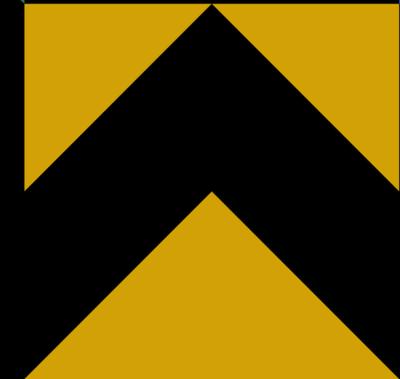
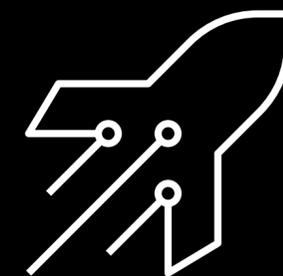
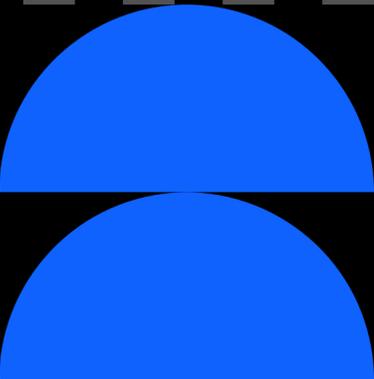
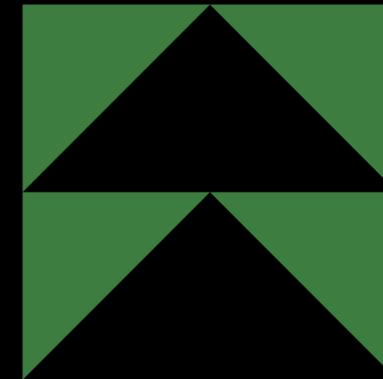
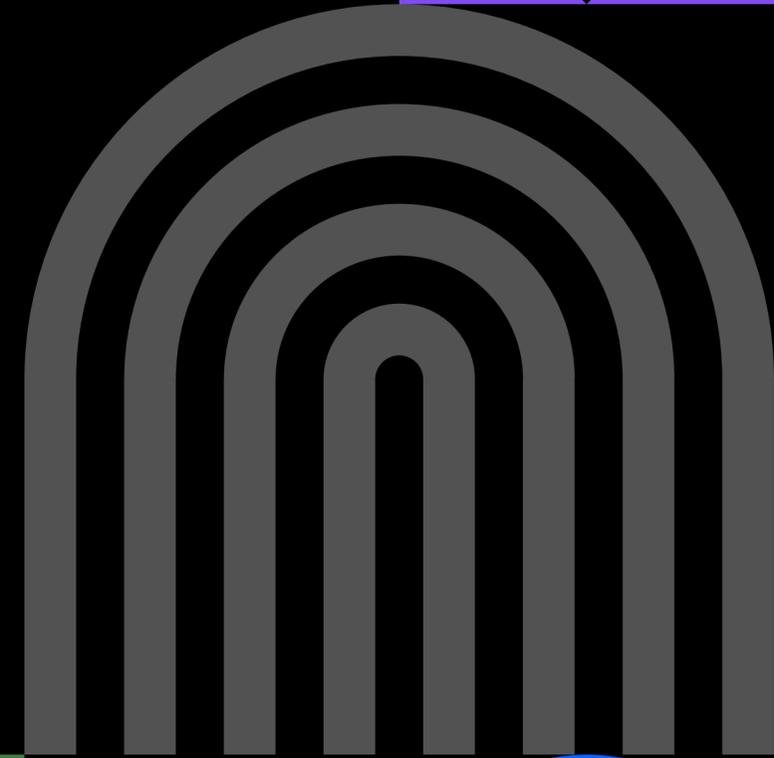
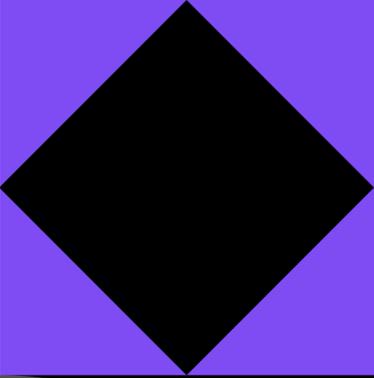
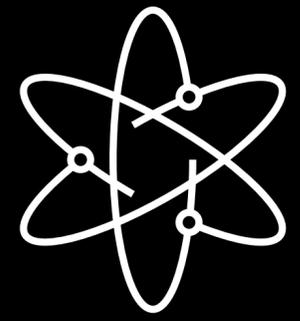
Explore.  
Build.  
Launch.

# GO/



# Agenda

- 01 Overview
- 02 Key Features
- 03 Roadmap
- 04 Important Links
- 05 Q & A



“

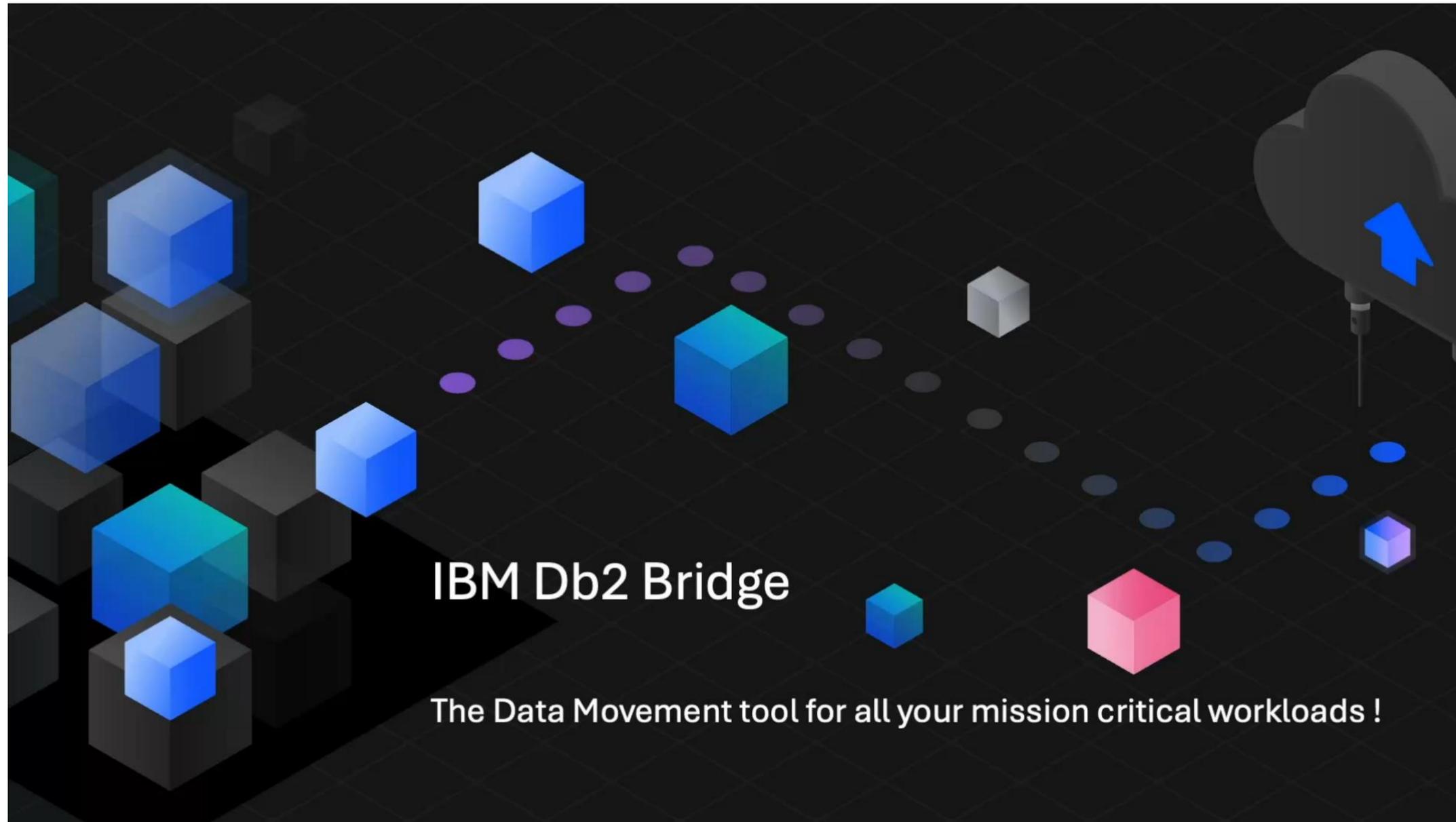
Data Migration Strategies to Cut Down Migration Costs by 70%.

”

<https://firsteigen.com/blog/data-migration-strategies-to-cut-down-migration-costs-by-70>

# IBM Db2 Bridge

## Zero-ETL data movement solution for Db2 database migrations



**Unified Data Movement**  
One solution for all data movement between Db2 databases



**Hybrid Cloud**  
All Db2 deployments supported, cloud & on-prem



**Multiple Db2 versions**  
Support for Db2 versions as far back as 10.5 and newer



**Moves all schema objects**  
Clones all tables, views, procedures, indexes and more



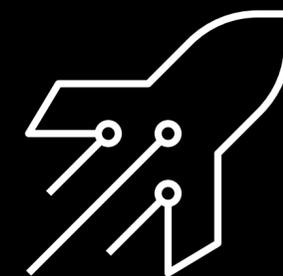
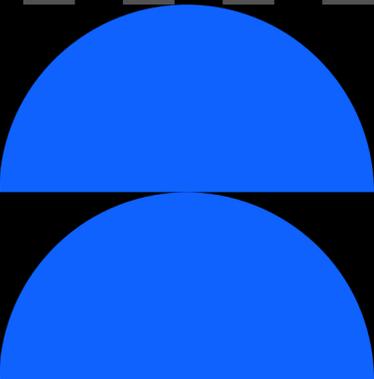
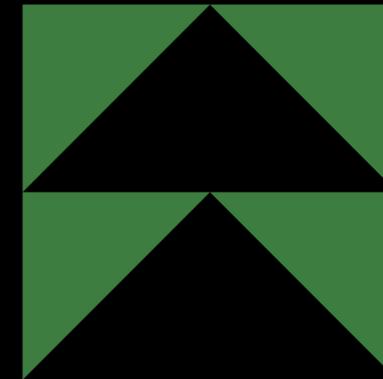
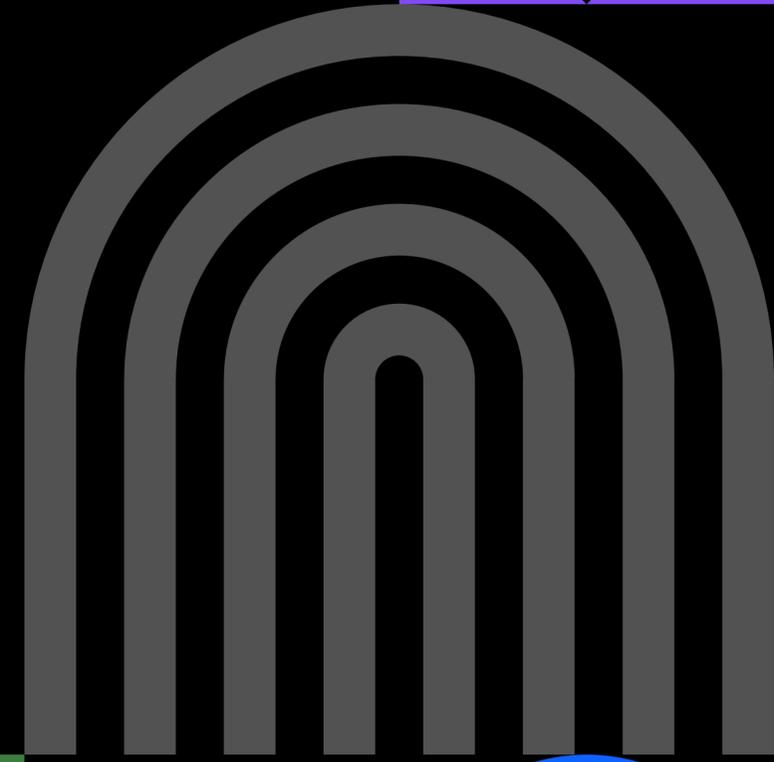
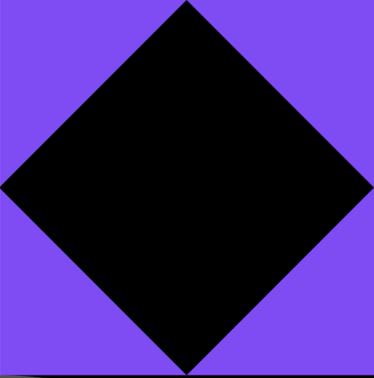
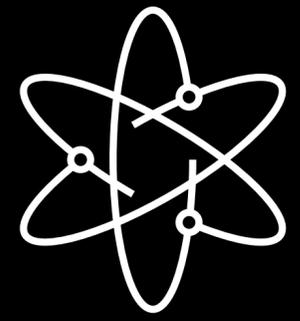
**Fast unload with HPU**  
Supports Optim High Performance Unload



**More on the way**  
New sources and additional capabilities coming

# Agenda

- 01 Overview
- 02 Key Features
- 03 Roadmap
- 04 Important Links
- 05 Q & A



# Db2 Bridge: One Data Movement solution for all your Mission-Critical Workloads

## Migration to Db2

IBM Db2  
IBM Db2 Warehouse  
Db2 on Power 10 Cloud Rack  
Db2 Data files

Bring your workloads from  
[Teradata](#) and  
IBM Integrated Analytics System  
(IIAS 4002 aka [Sailfish](#))

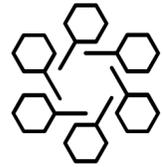
## Data Transfer

Accommodates complex data  
movement around [ETL](#) use-cases

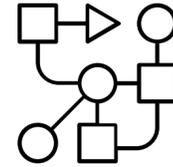
## DevOps

Help speed up the development,  
by quickly standup [Dev/Test](#)  
environment based on production  
baseline.

# Db2 Bridge: Strengths



Supports a variety of **deployments**;  
On-prem or Cloud; Transactional  
or Analytical workloads.



**Preserves data integrity** by  
analyzing the dependencies  
between objects



**Operating system agnostic**, and not  
impacted by big/little endian formats  
or other code page differences



Ability to **scope the the objects**;  
Schema or granular levels;

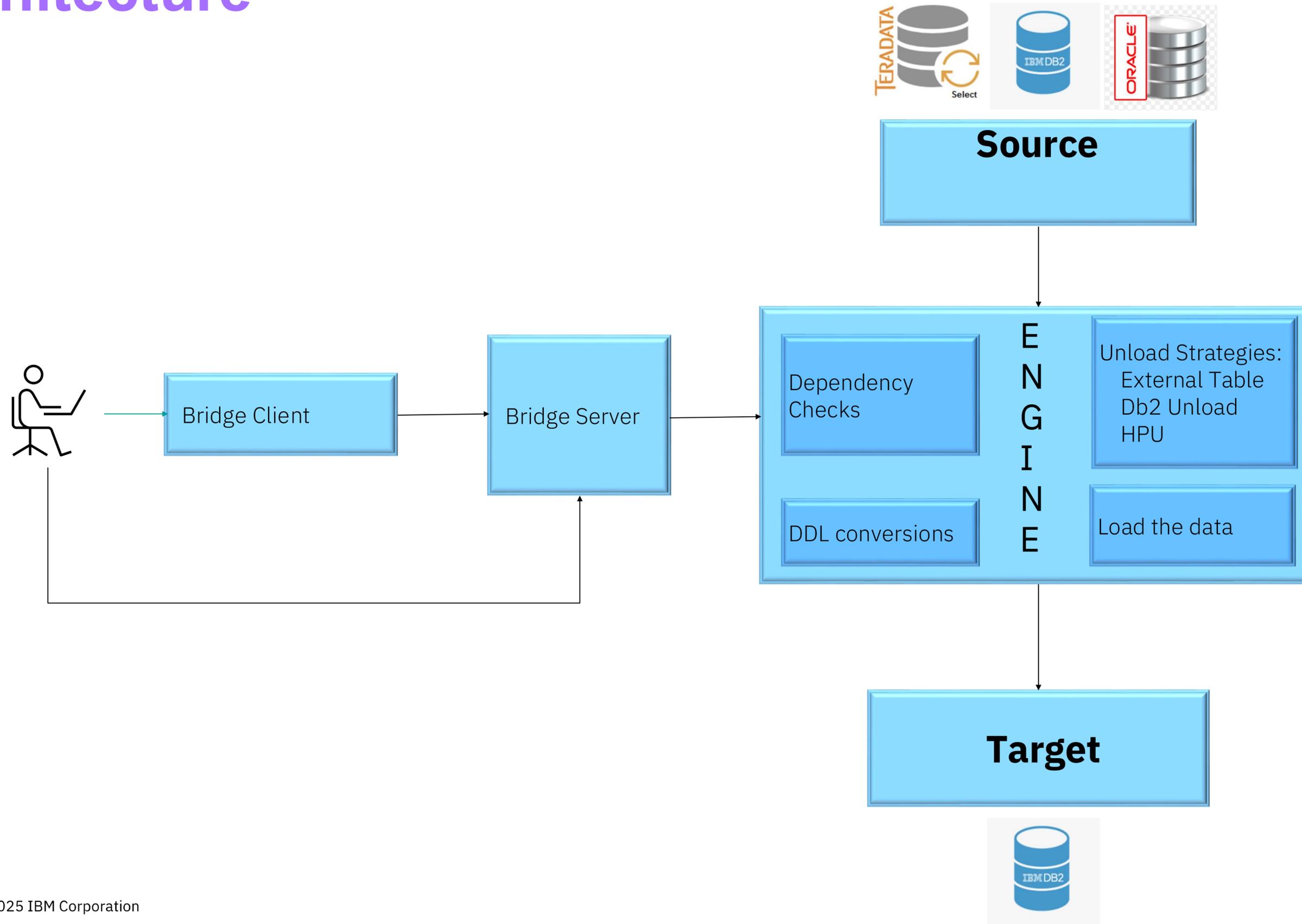
Support for **Row/Columnar** formats

.

# Db2 Bridge Overview

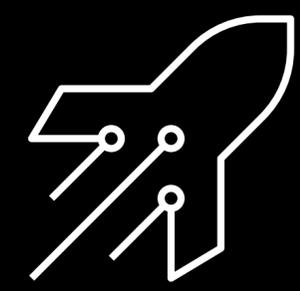
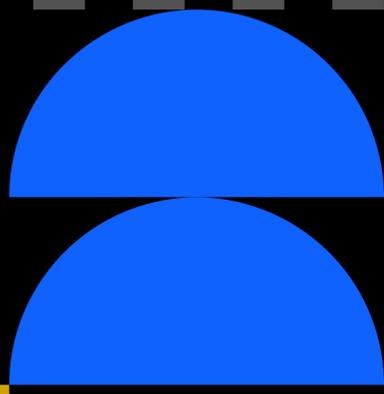
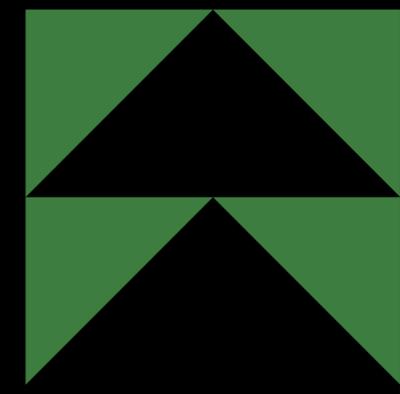
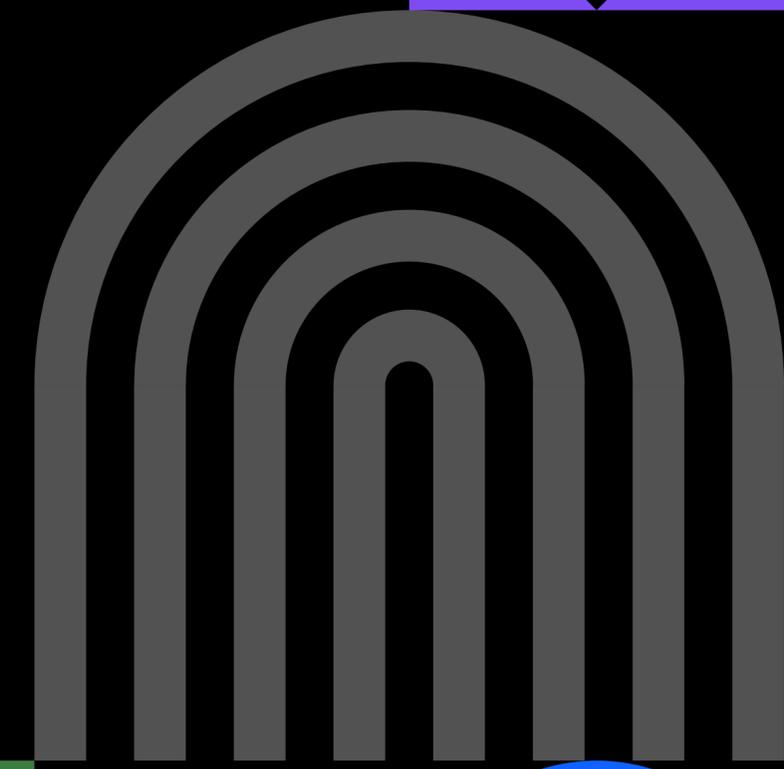
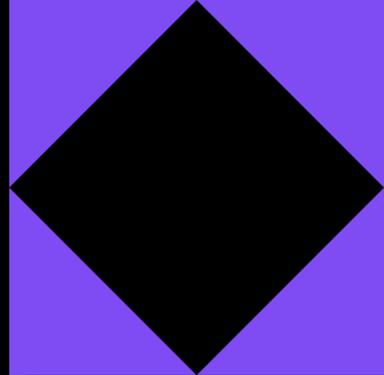
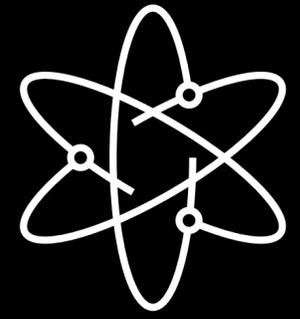
- Standalone Software, must be installed on Linux; Power or X86.
- Supports RHEL 8 and RHEL 9
- For source, supports Db2 releases 10.5 or later
- For target, supports Db2 releases 11.5 or later
- Ability to enable HPU, to utilize Optim High Performance Unload.
- Comes with an intuitive UI and a powerful CLI

# Architecture



# Agenda

- 01 Overview
- 02 Key Features – Db2 migration
- 03 Roadmap
- 04 Important Links
- 05 Q & A



# Db2 Bridge

## The Landing Page

- Db2 Health Check
- Database Connections
- Bridge Definitions

The screenshot shows the IBM Db2 Bridge landing page in a web browser. The page features a welcome message for the admin, instructions on setting up data migration and monitoring health, and several key performance indicators (KPIs) for databases, health checks, and bridge definitions.

**IBM Db2 Bridge**

Welcome, admin!

Set up of your data migration with Bridge and monitor the database health with Health check.

**Db2 Health check** Basic  
Database assessment and planned migration tool.

**Databases**

3  
3 of 3 databases are running smoothly

- ✓ TERADATA://DB2TD171.FYRE.IBM.COM:1025/DBC
- ✓ DB2://DB2WH-BRIDGE-1.US-SOUTH.DEV.DB2W.CLOUD.IBM.COM:50001/BLUDB
- ✓ DB2://9.30.79.67:50000/FVT25

[View details](#)

**Upgrade Check**

Last run for fvt25 on Fri 09/26/2025 10:24 AM

[View details](#)

**Db2 Bridge** 30-day trial  
Unified data movement solution for migrating database workloads, modernizing data infrastructure and for regular data movement.

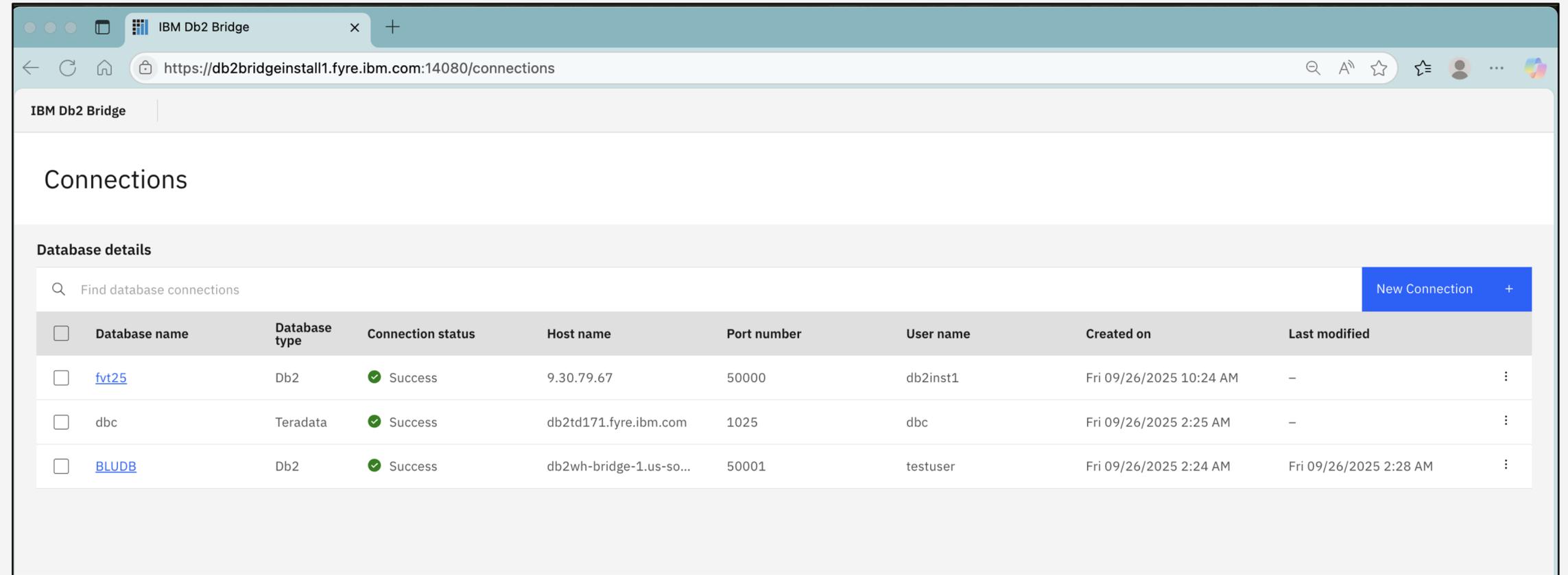
**Bridge Definitions**

Definitions	Migrations	Migration Status Summary
8 definitions has been created using Db2 Bridge	8 migrations has been executed using Db2 Bridge	✓ Success 6 ⌚ In progress 0 ✗ Error 2

[View details](#)

# Db2 Bridge

## Database Connections



The screenshot shows the IBM Db2 Bridge web interface. The browser address bar displays the URL `https://db2bridgeinstall1.fyre.ibm.com:14080/connections`. The page title is "IBM Db2 Bridge". The main heading is "Connections". Below this, there is a section titled "Database details" which includes a search bar with the placeholder text "Find database connections" and a "New Connection +" button. A table lists the following database connections:

<input type="checkbox"/>	Database name	Database type	Connection status	Host name	Port number	User name	Created on	Last modified	
<input type="checkbox"/>	<a href="#">fvt25</a>	Db2	✔ Success	9.30.79.67	50000	db2inst1	Fri 09/26/2025 10:24 AM	-	⋮
<input type="checkbox"/>	dbc	Teradata	✔ Success	db2td171.fyre.ibm.com	1025	dbc	Fri 09/26/2025 2:25 AM	-	⋮
<input type="checkbox"/>	<a href="#">BLUDB</a>	Db2	✔ Success	db2wh-bridge-1.us-so...	50001	testuser	Fri 09/26/2025 2:24 AM	Fri 09/26/2025 2:28 AM	⋮

# Db2 Bridge

## New Connection

 **Success** Successfully tested the connection. ✕

### Edit Connection

Database Type  
Db2 ▼

Host name or IP address: 9.46.250.246      Port #: 25010

Database name: sample      Db2 ODBC driver (optional): Default ▼

Enable SSL  
Certificate (optional): None ▼

User ID: db2inst1      Password: •••••••• 👁

**Test Connection**

**Cancel**      **Save Connection**

# Migration - Db2 as Source and Target

## Sources

Db2  
Db2 on Cloud  
Db2 Warehouse  
Db2 Warehouse on Cloud  
IIAS 4002 aka Sailfish  
Db2 Data files

Db2. On-prem or Cloud

## Targets

Db2  
Db2 on Cloud  
Db2 Warehouse  
Db2 Warehouse on Cloud  
Db2 Power 10 Cloud Rack  
Db2 Data files

Db2. On-prem or Cloud

# Create New Bridge Definition

Db2 Create Db2 Bridge definition

Defin

- Describe definition
- Define source
- Define target
- Configure definition
- Select objects
- Summary and verify

## Describe definition

Name

SampleToDemo

Description (optional) 0/100

Type

# Specify Source

Create Db2 Bridge definition

Defin

- Describe definition
- Define source
- Define target
- Configure definition
- Select objects
- Summary and verify

### Define Source

Existing Connection	Database Type
DB2://9.46.250.246:25010/SAMPLE	Db2
DB2://9.46.250.246:25010/SAMPLE	
9.46.250.246	Port #
	25010
Database name	Db2 ODBC driver (optional)
sample	Default
<input type="checkbox"/> Enable SSL	
Certificate (optional)	
None	
User ID	
db2inst1	

# Specify Target

Create Db2 Bridge definition

Defin

- Describe definition
- Define source
- Define target**
- Configure definition
- Select objects
- Summary and verify

### Define Target

Existing Connection	Database Type
DB2://9.46.250.246:25010/DEMOD	Db2
Host name or IP address	Port #
9.46.250.246	25010
Database name	Db2 ODBC driver (optional)
demodb	Default
<input type="checkbox"/> Enable SSL Certificate (optional)	
None	
User ID	
db2inst1	

# Configuration Options

- Object Dependencies
- Number of parallel Streams
- Compress formats
- Delete target data, if exists
- Enable HPU

The screenshot shows the 'Create Db2 Bridge definition' configuration page in the IBM Db2 Bridge interface. The page is divided into a left sidebar and a main configuration area. The sidebar contains a list of steps: 'Describe definition', 'Define source', 'Define target', 'Configure definition' (which is the current step), 'Select objects', and 'Summary and verify'. The main configuration area is titled 'Configure definition' and contains several options and input fields. The options are: 'Transfer using Db2 binary format' (unchecked), 'Include Object Dependencies' (checked), 'Delete target table data' (unchecked), 'Migrate hidden columns' (unchecked), 'Maintenance mode' (unchecked), and 'Enable HPU' (unchecked). Below these options are several input fields: 'Compress data' (set to 'LZ4'), 'Number of parallel data streams' (with a placeholder 'Please provide number of parallel data stream'), 'Target tablespace name' (set to '(Default)'), 'Grants' (set to 'Object'), 'Row Count' (set to 'None'), 'HPU Path' (with a placeholder 'Eg: /opt/IBM/HPU/V6.5/bin'), and 'Backup Path' (with a placeholder 'Please provide path where backup of source D'). At the bottom of the page, there are three buttons: 'Cancel', 'Back', and 'Next'.

# Selection of Objects

The screenshot shows the 'Create Db2 Bridge definition' dialog in IBM Db2 Bridge. The main area is titled 'Select objects to migrate' and contains a search bar for 'Aliases' and a breadcrumb trail: 'Global objects / Schemas / DB2INST1 / Tables'. The dialog is divided into three columns: 'Schemas', 'DB2INST1', and 'Tables'. The 'Schemas' column shows 'DB2INST1' with a count of 69. The 'DB2INST1' column lists various object types with counts: Aliases (5), Functions (1), Indexes (14), Procedures (1), Sequences (1), Tables (26), Triggers (2), and Views (19). The 'Tables' column lists specific tables: PATIENTS, PRODUCT, PRODUCTSUPPLIER, PROJACT, PROJECT, PURCHASEORDER, SALES (checked), STAFF, STAFFG, and SUPPLIERS. A right-hand panel shows 'Selected objects' with a count of 1 and a 'Clear all' button. At the bottom, there are 'Cancel', 'Back', and 'Next' buttons.

Category	Object Type	Count
Schemas	DB2INST1	69
DB2INST1	Aliases	5
DB2INST1	Functions	1
DB2INST1	Indexes	14
DB2INST1	Procedures	1
DB2INST1	Sequences	1
DB2INST1	Tables	26
DB2INST1	Triggers	2
DB2INST1	Views	19
Tables	PATIENTS	
Tables	PRODUCT	
Tables	PRODUCTSUPPLIER	
Tables	PROJACT	
Tables	PROJECT	
Tables	PURCHASEORDER	
Tables	SALES	1 (checked)
Tables	STAFF	
Tables	STAFFG	
Tables	SUPPLIERS	

# Summarize & Run

IBM Db2 Bridge

## Create Db2 Bridge definition

- Describe definition
- Define source
- Define target
- Configure definition
- Select objects
- Summary and verify**

### Summary and verify

#### Describe definition [Edit](#)

Name  
SampleToDemo

Description (optional)  
-

Type  
One-time

#### Define Source [Edit](#)

Connection Name  
DB2://9.46.250.246:25010/SAMPLE

Host name or IP address 9.46.250.246	Port # 25010
Database name sample	Db2 ODBC driver Default

Enable SSL  
Source certificate  
-

User ID  
-

Password  
-

[Cancel](#) [Back](#) [Save](#) [Save and run](#)

# Job Success

IBM Db2 Bridge

Db2 Bridge jobs

Definition **Status**

Find job

Name	Source	Target	Type	Object status	Started on	Db2 Bridge status
<a href="#">SampleToDemo</a>	9.46.250.246	9.46.250.246	One-time	<span style="color: green;">██████████</span>	Sat 09/27/2025 3:34 PM	Success
<a href="#">Teradata To Db2 Warehouse</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-south.d...	One-time	<span style="color: green;">██████████</span>	Sat 09/27/2025 5:26 AM	Success
<a href="#">Migrate from Teradata to Db...</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-south.d...	One-time	<span style="color: green;">██████████</span>	Sat 09/27/2025 4:51 AM	Success
<a href="#">TeradataToDb2WH</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-south.d...	One-time	<span style="color: green;">██████████</span>	Fri 09/26/2025 10:50 AM	Success

Db2 Bridge job complete. The SampleToDemo job completed successfully. 3:35:06 PM

```

[[db2inst1@c4533v1 ~]$ db2 connect to demodb
Database Connection Information
Database server          = DB2/LINUX8664 12.1.2.0
SQL authorization ID    = DB2INST1
Local database alias    = DEMODB

[[db2inst1@c4533v1 ~]$ db2 list tables
Table/View              Schema      Type      Creation time
-----
SALES                    DB2INST1   T         2025-09-27-15.34.47.220605

1 record(s) selected.

[[db2inst1@c4533v1 ~]$ db2 "select count(*) from db2inst1.Sales";
1
-----
41

1 record(s) selected.
[[db2inst1@c4533v1 ~]$

```

# Log

View log

```

15:34:49.726 | TRACE | <70744:MainThread> logger.py:86 | LOAD: /var/lib/ibm_db2bridge_platform/venv/bin/python3.11
/usr/local/ibm_db2bridge_platform/db_migr/scenarios/common/db2/connection/query_script.py libdb2o.so 9.46.250.246 25010 demodb db2inst1 *****
False INSERT INTO (SELECT "SALES_DATE","SALES_PERSON","REGION","SALES" FROM "DB2INST1"."SALES" LIMIT 0) SELECT * FROM EXTERNAL
'/var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_153425.538357/com.ibm.migration.unload.8r4q8vs6/217301d81839492cb95d6a8323de98d0migr.pipe.000' ("SALES_DATE" SYSIBM .DATE,
"SALES_PERSON" SYSIBM .VARCHAR(15 OCTETS), "REGION" SYSIBM .VARCHAR(15 OCTETS), "SALES" SYSIBM .INTEGER) USING ( LOGDIR
'/var/lib/ibm_db2bridge_platform/log/db_migr-20250927_153425.538357/com.ibm.migration.unload.8r4q8vs6/217301d81839492cb95d6a8323de98d0'
BOOLSTYLE '1_0' CCSID 1208 CRINSTRING True DATEDELIM '-' DATESTYLE 'YMD' DECIMALDELIM '.' DELIMITER '|' FORMAT 'TEXT' INCLUDEHEADER False
INCLUDEZEROSECONDS True NULLVALUE 'NULL' SOCKETBUFSIZE 8388608 TIMEDELIM ':' TIMESTYLE '24HOUR' ESCAPECHAR '\ ' COMPRESS LZ4 REMOTESOURCE 'YES'
QUOTEDVALUE 'DOUBLE' ) SYSTEM
15:34:50.068 | DEBUG | <70744:MainThread> db_handler.py:261 | Successful insertions - 9.46.250.246: 1/1
15:34:50.069 | DEBUG | <70744:MainThread> db_handler.py:264 | Successful insertions - total: 1/1
15:34:50.069 | DEBUG | <70744:MainThread> db_handler.py:747 | Successful extractions: 1/1
15:34:51.106 | DEBUG | <70744:MainThread> migration_process.py:330 | Removing 1 pipes...
15:34:51.106 | DEBUG | <70744:MainThread> migration_process.py:335 | Removing /var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_153425.538357/com.ibm.migration.unload.8r4q8vs6/217301d81839492cb95d6a8323de98d0 ...

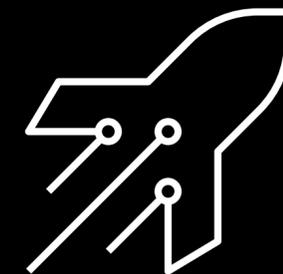
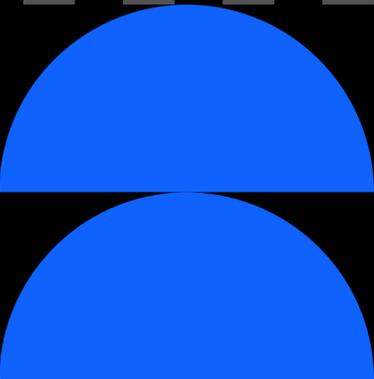
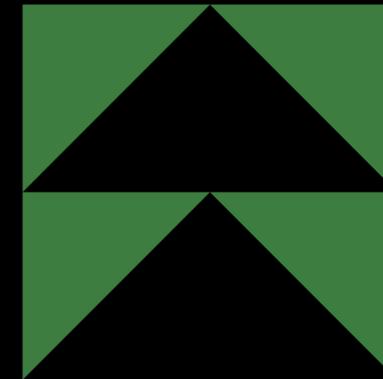
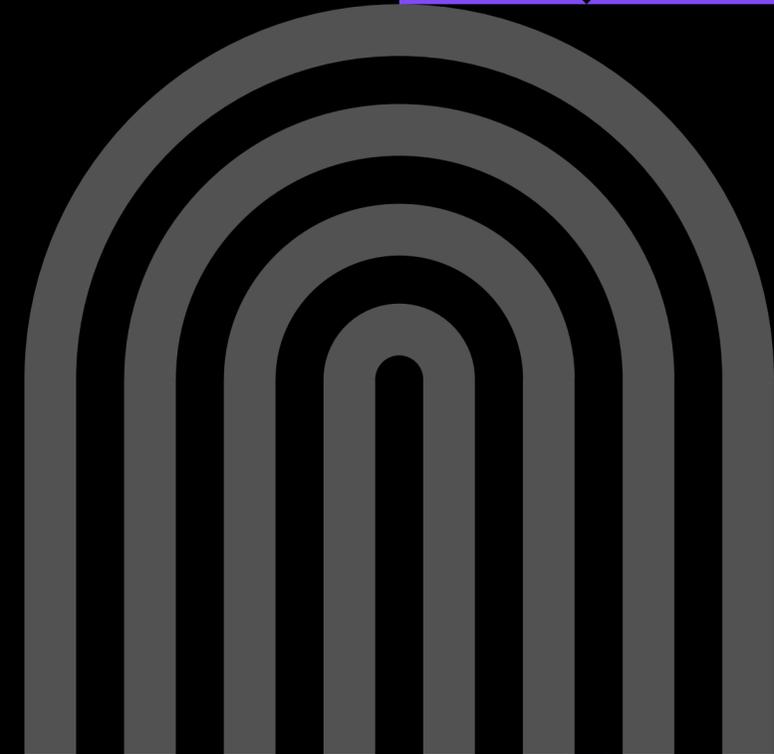
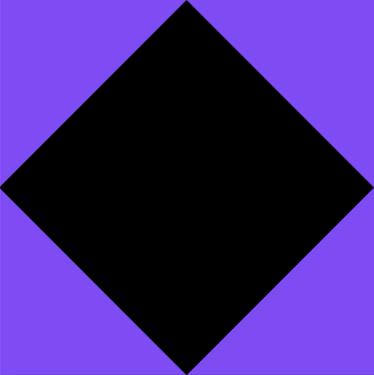
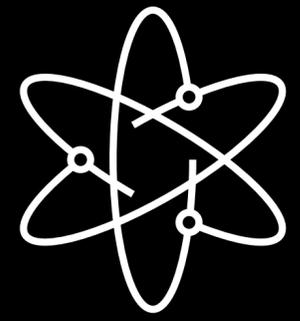
Db2 Bridge summary
Source object:      "DB2INST1"."SALES"
Target object:     "DB2INST1"."SALES"
Object type:       tables
Success:           True
Elapsed:           00:00:04.547
Start time:        2025-09-27 15:34:46.559021
End time:          2025-09-27 15:34:51.106199
No data (empty?):  False

15:34:57.119 | INFO | <70703:MainThread> migration_runner.py:520 | Total time: 31.54346990585327 (0:00:31)
15:34:57.120 | DEBUG | <70703:MainThread> migration_runner.py:710 | Migration finished with exit code 0
15:34:57.120 | INFO | <70703:MainThread> migration_runner.py:714 | Log file: /var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_153425.538357/db_migr-20250927_153425.564376.log
15:34:57.124 | INFO | <70703:MainThread> migration_runner.py:724 | JSON file: /var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_153425.538357/db2bridge_history_a450801f4d894a5b8601a2ebb17298e1/db2bridge_report.json
15:34:57.126 | TRACE | <70703:MainThread> logger.py:86 | Db2Bridge executed with the following arguments:
Explicit arguments:

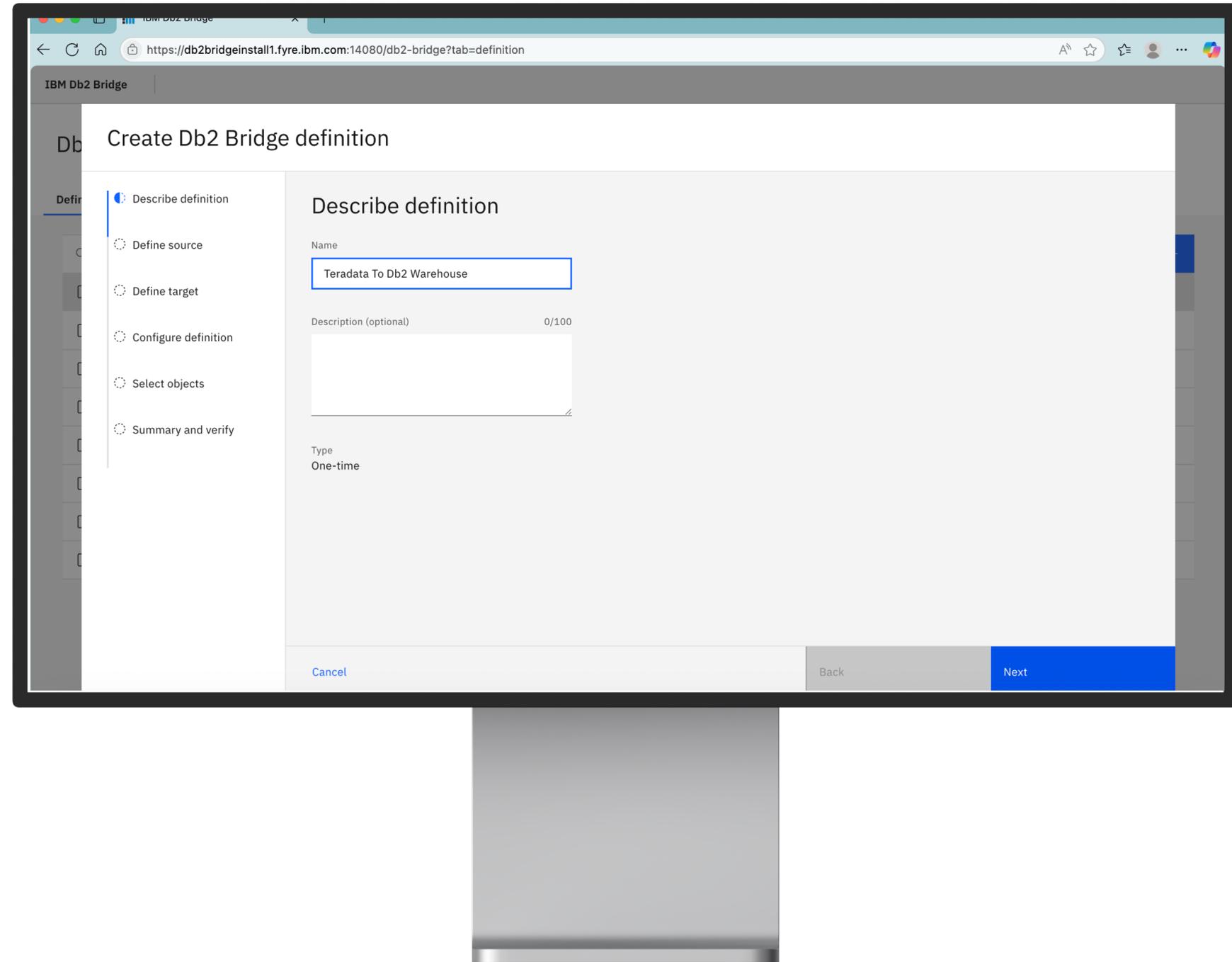
```

# Agenda

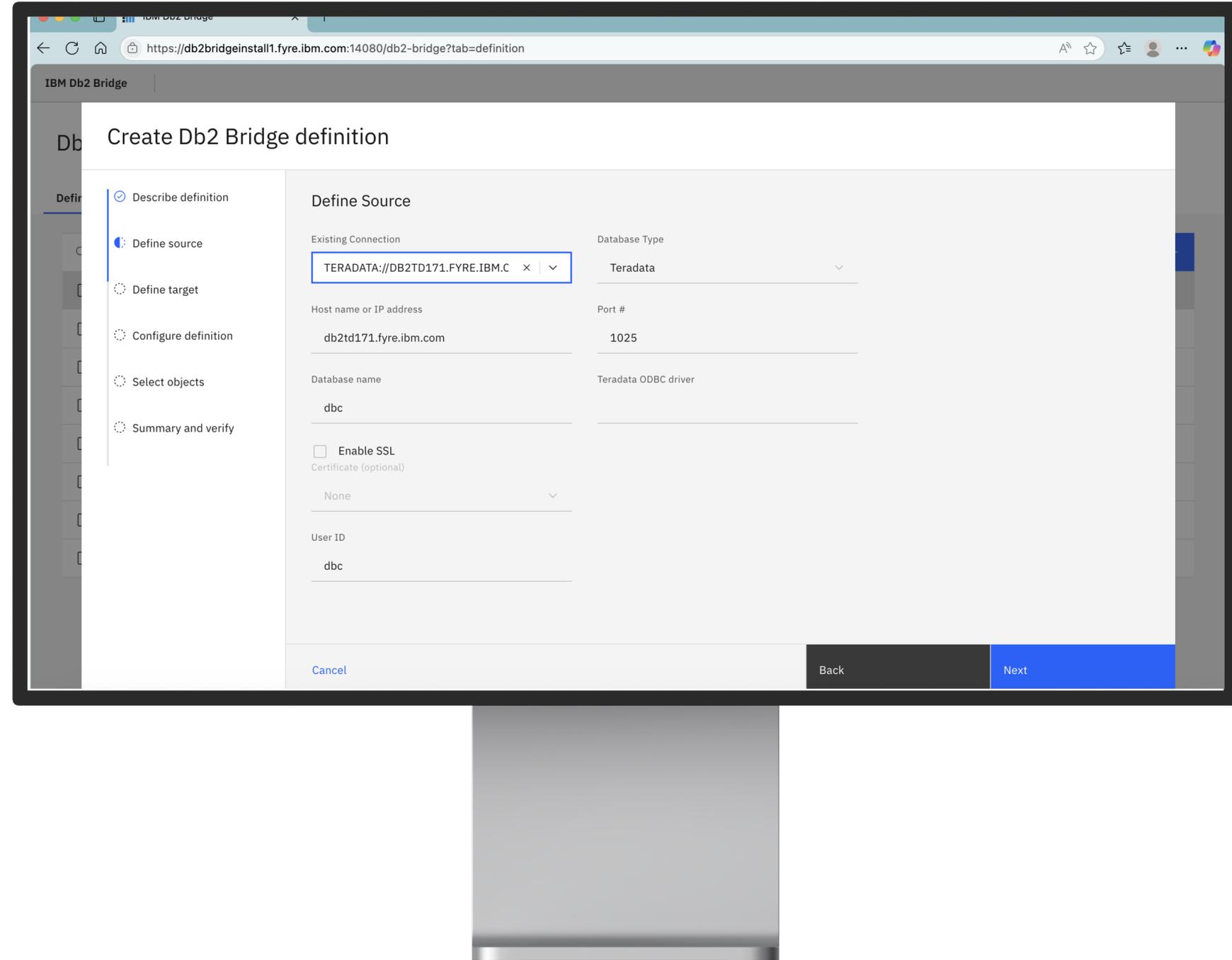
- 01 Overview
- 02 Key Features – Teradata migration
- 03 Roadmap
- 04 Important Links
- 05 Q & A



# Create New Bridge Definition



# Specify Source



# Specify Target

The screenshot shows the 'Define Target' step in the 'Create Db2 Bridge definition' wizard. The interface includes a sidebar with navigation steps: Describe definition, Define source, Define target (selected), Configure definition, Select objects, and Summary and verify. The main form fields are:

- Existing Connection: DB2://DB2WH-BRIDGE-1.US-SOUTH
- Database Type: Db2
- Host name or IP address: db2wh-bridge-1.us-south.dev.db2w.cloud.ibm
- Port #: 50001
- Database name: BLUDB
- Db2 ODBC driver (optional): Default
- Enable SSL:  (Certificate optional)
- Certificate (optional): /var/lib/ibm\_db2bridge\_platform/ssl-c...
- User ID: testuser

Navigation buttons at the bottom are Cancel, Back, and Next.

# Configuration Options

- Object Dependencies
- Number of parallel Streams
- Compress formats
- Delete target data, if exists
- Enable HPU

IBM Db2 Bridge

## Create Db2 Bridge definition

Define

- Describe definition
- Define source
- Define target
- Configure definition**
- Select objects
- Summary and verify

### Configure definition

- Transfer using Db2 binary format ⓘ
- Include Object Dependencies ⓘ
- Delete target table data ⓘ
- Migrate hidden columns
- Maintenance mode ⓘ
- Enable HPU ⓘ

Compress data ⓘ

LZ4

Number of parallel data streams ⓘ

Please provide number of parallel data stream

Target tablespace name ⓘ

(Default)

Grants ⓘ

Object

Row Count ⓘ

None

HPU Path ⓘ

Backup Path ⓘ

Cancel Back Next

# Selection of Objects

The screenshot shows the 'Create Db2 Bridge definition' dialog in the IBM Db2 Bridge web interface. The dialog is titled 'Create Db2 Bridge definition' and has a sub-header 'Select objects to migrate'. It features a search bar for aliases and a breadcrumb trail: 'Global objects / Schemas / demo / Tables'. The main content area is divided into three columns: 'Schemas', 'demo', and 'Tables'. The 'demo' column is currently selected and contains a 'Tables' sub-section with 4 objects. The 'Order\_Detail' table is selected with a checkmark. The 'Tables' column lists 'Customer', 'Order\_Detail', 'Order\_Header', and 'Product'. A right-hand sidebar shows 'Selected objects 1' and 'Clear all' at the top, and a tree view with 'Schemas 1' expanded. At the bottom, there are 'Cancel', 'Back', and 'Next' buttons.

Schemas	demo	Tables
<input type="checkbox"/> constraints (13)	<input checked="" type="checkbox"/> Tables (4)	<input type="checkbox"/> Customer
<input type="checkbox"/> conversiontest (82)		<input checked="" type="checkbox"/> Order_Detail
<input type="checkbox"/> DBC (770)		<input type="checkbox"/> Order_Header
<input type="checkbox"/> dbcmngr (2)		<input type="checkbox"/> Product
<input checked="" type="checkbox"/> demo (4)		
<input type="checkbox"/> loadtest (68)		
<input type="checkbox"/> LockLogShredder (3)		
<input type="checkbox"/> mldb (0)		

# Summarize & Convert

IBM Db2 Bridge

## Create Db2 Bridge definition

- Describe definition
- Define source
- Define target
- Configure definition
- Select objects
- Summary and verify

### Summary and verify

#### Describe definition [Edit](#)

Name  
Teradata To Db2 Warehouse

Description (optional)  
-

Type  
One-time

#### Define Source [Edit](#)

Connection Name  
TERADATA://DB2TD171.FYRE.IBM.COM:1025/DBC

Host name or IP address db2td171.fyre.ibm.com	Port # 1025
Database name dbc	Teradata ODBC driver Default

Enable SSL  
Source certificate

[Cancel](#) [Back](#) [Save](#) [Save and Convert](#)

# Converted DDLs from Teradata to Db2

The screenshot shows the IBM Db2 Bridge web interface. The browser address bar displays the URL: `https://db2bridgeinstall1.fyre.ibm.com:14080/db2-bridge/definitions/f4a42c518c6640239d62338cabfe5a00?tab=ddl`. The page title is "IBM Db2 Bridge" and the breadcrumb navigation is "Home / Db2 Bridge / Bridge Job Definitions".

The main heading is "Bridge Job Definitions" with a "Run Migration" button on the right. Below the heading are two tabs: "Details" and "Objects and DDLs", with "Objects and DDLs" being the active tab.

A search bar labeled "Find objects" is located above the table. To the right of the search bar is an "Edit objects" link with an upward arrow icon.

Object name	Object type	Conversion status	
Order_Detail	tables	✓ Conversion successful	⋮
Product	tables	✓ Conversion successful	⋮
Customer	tables	✓ Conversion successful	⋮
Order_Header	tables	✓ Conversion successful	⋮

Ability to  
compare  
source and  
target DDLs

The screenshot shows the IBM Db2 Bridge web interface. The browser address bar displays the URL: `https://db2bridgeinstall1.fyre.ibm.com:14080/db2-bridge/definitions/f4a42c518c6640239d62338cabfe5a00?tab=ddl`. The page title is "IBM Db2 Bridge" and the breadcrumb navigation is "Home / Db2 Bridge / Bridge Job Definitions".

The main heading is "Bridge Job Definitions" with a "Run Migration" button on the right. Below this, there are two tabs: "Details" and "Objects and DDLs", with "Objects and DDLs" being the active tab.

A search bar labeled "Find objects" is present, along with an "Edit objects" link. The main content is a table with the following columns: "Object name", "Object type", and "Conversion status".

Object name	Object type	Conversion status
Order_Detail	tables	✓ Conversion successful
Product	tables	✓ Conversion successful
Customer	tables	✓ Conversion successful
Order_Header	tables	✓ Conversion successful

A "Compare DDL" button is visible over the "Conversion status" column for the "Product" row.

compare  
source and  
target DDLs

..with  
embedded  
comments

IBM Db2 Bridge

Home / Compare DDL

Source DDL

```
CREATE SET TABLE demo.Order_Detail ,FALLBACK , NO BEFORE JOURNAL, NO
AFTER JOURNAL, CHECKSUM = DEFAULT, DEFAULT MERGEBLOCKRATIO, MAP = TD_MAP1
( order_detail_id INTEGER NOT NULL, order_id INTEGER NOT NULL, product_id
INTEGER NOT NULL, quantity INTEGER NOT NULL, unit_price DECIMAL(10,2) NOT
NULL, line_total DECIMAL(12,2), CONSTRAINT chk_quantity CHECK ( quantity
> 0 ), CONSTRAINT chk_unit_price CHECK ( unit_price > 0 ), CONSTRAINT
pk_order_detail PRIMARY KEY ( order_detail_id ), CONSTRAINT
fk_detail_order FOREIGN KEY ( order_id ) REFERENCES demo.Order_Header (
order_id ), CONSTRAINT fk_detail_product FOREIGN KEY ( product_id )
REFERENCES demo.Product ( product_id ) );
```

Target DDL

```
CREATE /*Code Fragment was removed -START 1 >> SET << Code Fragment was
removed - END*/
TABLE "DEMO"."ORDER_DETAIL" /*Code Fragment was removed -START 2 >>
DEFAULT MERGEBLOCKRATIO << Code Fragment was removed - END*/
/*Code Fragment was removed -START 3 >> CHECKSUM = DEFAULT << Code
Fragment was removed - END*/
/*Code Fragment was removed -START 4 >> FALLBACK << Code Fragment was
removed - END*/
/*Code Fragment was removed -START 5 >> NO BEFORE JOURNAL << Code
Fragment was removed - END*/
/*Code Fragment was removed -START 6 >> NO AFTER JOURNAL << Code
Fragment was removed - END*/
(order_detail_id INTEGER NOT NULL, order_id INTEGER NOT NULL, product_id
INTEGER NOT NULL, quantity INTEGER NOT NULL, unit_price DECIMAL(10,2) NOT
NULL, line_total DECIMAL(12,2)) ORGANIZE BY ROW DISTRIBUTE BY HASH
(order_detail_id);
/* [COMPATIBILITY_NOTE] 'SET NOT SUPPORTED' .*/
/* [COMPATIBILITY_NOTE] 'AFTER JOURNAL NOT SUPPORTED' .*/
/* [COMPATIBILITY_NOTE] 'BEFORE JOURNAL NOT SUPPORTED' .*/
/* [COMPATIBILITY_NOTE] 'CHECKSUM NOT SUPPORTED' .*/
/* [COMPATIBILITY_NOTE] 'FALLBACK NOT SUPPORTED' .*/
/* [COMPATIBILITY_NOTE] 'MAP NOT SUPPORTED' .*/
/* [COMPATIBILITY_NOTE] 'MERGEBLOCKRATIO NOT SUPPORTED' .*/
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT pk_order_detail PRIMARY
KEY (order_detail_id);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT chk_quantity CHECK
(quantity > 0);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT chk_unit_price CHECK
(unit_price > 0);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT fk_detail_order FOREIGN
KEY (order_id) REFERENCES "DEMO"."ORDER_HEADER" (order_id);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT fk_detail_product
```

Close

compare  
source and  
target DDLs

..without  
embedded  
comments

IBM Db2 Bridge

Home /

### Compare DDL

Comments

**Source DDL**

```
CREATE SET TABLE demo.Order_Detail ,FALLBACK , NO BEFORE JOURNAL, NO
AFTER JOURNAL, CHECKSUM = DEFAULT, DEFAULT MERGEBLOCKRATIO, MAP = TD_MAP1
( order_detail_id INTEGER NOT NULL, order_id INTEGER NOT NULL, product_id
INTEGER NOT NULL, quantity INTEGER NOT NULL, unit_price DECIMAL(10,2) NOT
NULL, line_total DECIMAL(12,2), CONSTRAINT chk_quantity CHECK ( quantity
> 0 ), CONSTRAINT chk_unit_price CHECK ( unit_price > 0 ), CONSTRAINT
pk_order_detail PRIMARY KEY ( order_detail_id ), CONSTRAINT
fk_detail_order FOREIGN KEY ( order_id ) REFERENCES demo.Order_Header (
order_id ), CONSTRAINT fk_detail_product FOREIGN KEY ( product_id )
REFERENCES demo.Product ( product_id ) );
```

**Target DDL**

```
CREATE TABLE "DEMO"."ORDER_DETAIL" (order_detail_id INTEGER NOT NULL,
order_id INTEGER NOT NULL, product_id INTEGER NOT NULL, quantity INTEGER
NOT NULL, unit_price DECIMAL(10,2) NOT NULL, line_total DECIMAL(12,2))
ORGANIZE BY ROW DISTRIBUTE BY HASH (order_detail_id);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT pk_order_detail PRIMARY
KEY (order_detail_id);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT chk_quantity CHECK
(quantity > 0);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT chk_unit_price CHECK
(unit_price > 0);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT fk_detail_order FOREIGN
KEY (order_id) REFERENCES "DEMO"."ORDER_HEADER" (order_id);
ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT fk_detail_product
FOREIGN KEY (product_id) REFERENCES "DEMO"."PRODUCT" (product_id);
```

Close

# Ability to export DDL

The screenshot shows the IBM Db2 Bridge web interface. The browser address bar displays the URL: `https://db2bridgeinstall1.fyre.ibm.com:14080/db2-bridge/definitions/f4a42c518c6640239d62338cabfe5a00?tab=ddl`. The page title is "IBM Db2 Bridge" and the breadcrumb is "Home / Db2 Bridge / Bridge Job Definitions".

The main heading is "Bridge Job Definitions". Below it, there are two tabs: "Details" and "Objects and DDLs", with "Objects and DDLs" being the active tab.

A search bar labeled "Find objects" is present. To its right is a button with an upward arrow icon and the text "Edit objects".

The main content is a table with the following data:

Object name	Object type	Conversion status	
Order_Detail	tables	✓ Conversion successful	⋮
Product	tables	✓ Conversion successful	⋮
Customer	tables	✓ Conversion successful	⋮
Order_Header	tables	✓ Conversion successful	⋮

A "Downloads" menu is open in the top right corner, showing three CSV files:

- Objects and DDL (2).csv (Open File)
- Objects and DDL (1).csv (Open File)
- Objects and DDL.csv (Open File)

A "See More" link is also visible in the Downloads menu.

# Exported DDL (CSV file)

Object Name	Object Type	Conversion S	Source DDL	Converted DDL	Failure E
Order_Detail	tables	conversion s	CREATE SET TABLE demo.Order_Detail ,FALLBACK , NO BEFORE JOURNAL, NO AFTER JOURNAL, CHECKSUM = DEFAULT, DEFAULT ME	TABLE "DEMO"."ORDER_DETAIL" /*Code Fragment was removed -START 2>> DEFAULT MERGEBLOCKRATIO << Code Fragment was removed - END*/ /*Code Fragment was removed -START 3>> CHECKSUM = DEFAULT << Code Fragment was removed - END*/ /*Code Fragment was removed -START 4>> FALLBACK << Code Fragment was removed - END*/ /*Code Fragment was removed -START 5>> NO BEFORE JOURNAL << Code Fragment was removed - END*/ /*Code Fragment was removed -START 6>> NO AFTER JOURNAL << Code Fragment was removed - END*/	
Product	tables	conversion s	CREATE SET TABLE demo.Product ,FALLBACK , NO BEFORE JOURNAL, NO AFTER JOURNAL, CHECKSUM = DEFAULT, DEFAULT ME	TABLE "DEMO"."PRODUCT" /*Code Fragment was removed -START 2>> DEFAULT MERGEBLOCKRATIO << Code Fragment was removed - END*/ /*Code Fragment was removed -START 3>> CHECKSUM = DEFAULT << Code Fragment was removed - END*/ /*Code Fragment was removed -START 4>> FALLBACK << Code Fragment was removed - END*/ /*Code Fragment was removed -START 5>> NO BEFORE JOURNAL << Code Fragment was removed - END*/ /*Code Fragment was removed -START 6>> NO AFTER JOURNAL << Code Fragment was removed - END*/	
Customer	tables	conversion s	CREATE SET TABLE demo.Customer ,FALLBACK , NO BEFORE JOURNAL, NO AFTER JOURNAL, CHECKSUM = DEFAULT, DEFAULT ME	TABLE "DEMO"."CUSTOMER" /*Code Fragment was removed -START 2>> DEFAULT MERGEBLOCKRATIO << Code Fragment was removed - END*/ /*Code Fragment was removed -START 3>> CHECKSUM = DEFAULT << Code Fragment was removed - END*/ /*Code Fragment was removed -START 4>> FALLBACK << Code Fragment was removed - END*/ /*Code Fragment was removed -START 5>> NO BEFORE JOURNAL << Code Fragment was removed - END*/ /*Code Fragment was removed -START 6>> NO AFTER JOURNAL << Code Fragment was removed - END*/	
Order_Header	tables	conversion s	CREATE SET TABLE demo.Order_Header ,FALLBACK , NO BEFORE JOURNAL, NO AFTER JOURNAL, CHECKSUM = DEFAULT, DEFA	TABLE "DEMO"."ORDER_HEADER" /*Code Fragment was removed -START 2>> DEFAULT MERGEBLOCKRATIO << Code Fragment was removed - END*/ /*Code Fragment was removed -START 3>> CHECKSUM = DEFAULT << Code Fragment was removed - END*/ /*Code Fragment was removed -START 4>> FALLBACK << Code Fragment was removed - END*/ /*Code Fragment was removed -START 5>> NO BEFORE JOURNAL << Code Fragment was removed - END*/ /*Code Fragment was removed -START 6>> NO AFTER JOURNAL << Code Fragment was removed - END*/	

# Running migration

That takes Teradata DDL as well as data to Db2 Warehouse

IBM Db2 Bridge

Db2 Bridge jobs

Definition **Status**

Find job

<input type="checkbox"/>	Name	Source	Target	Type	Object status	Started on	Db2 Bridge status	
<input type="checkbox"/>	<a href="#">Teradata To Db2 Ware...</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 50%; background-color: green;"></div> <div style="width: 50%; background-color: grey;"></div>	7/2025 5:26 AM	In progress	⋮
<input type="checkbox"/>	<a href="#">Migrate from Teradata...</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; background-color: green;"></div>	Sat 09/27/2025 4:51 AM	Success	⋮
<input type="checkbox"/>	<a href="#">TeradatatoDb2WH</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; background-color: green;"></div>	Fri 09/26/2025 10:50 AM	Success	⋮
<input type="checkbox"/>	<a href="#">demotonormaldb2</a>	db2td171.fyre.ibm.com	9.30.79.67	One-time	<div style="width: 100%; background-color: green;"></div>	Fri 09/26/2025 10:24 AM	Success	⋮
<input type="checkbox"/>	<a href="#">demo</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; background-color: green;"></div>	Fri 09/26/2025 10:04 AM	Success	⋮
<input type="checkbox"/>	<a href="#">teradata_test01</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 75%; background-color: green;"></div> <div style="width: 25%; background-color: red;"></div>	Fri 09/26/2025 2:46 AM	Failed	⋮
<input type="checkbox"/>	<a href="#">deptest</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 75%; background-color: green;"></div> <div style="width: 25%; background-color: red;"></div>	Fri 09/26/2025 2:30 AM	Failed	⋮
<input type="checkbox"/>	<a href="#">teradatatest</a>	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; background-color: green;"></div>	Fri 09/26/2025 2:27 AM	Success	⋮

# Job Success

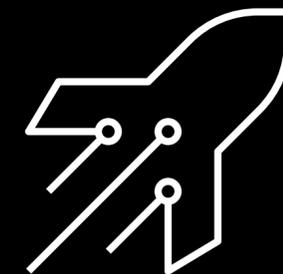
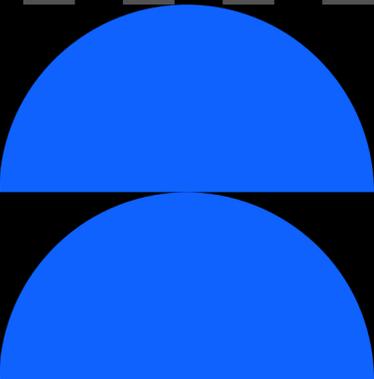
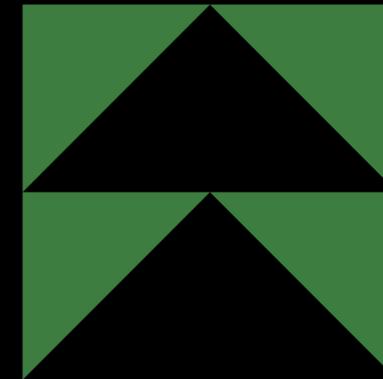
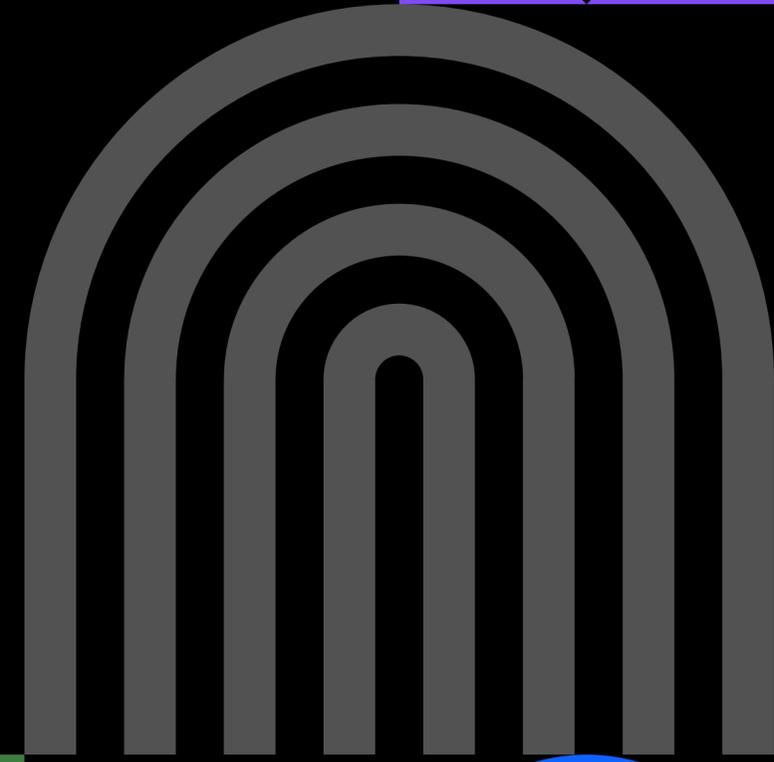
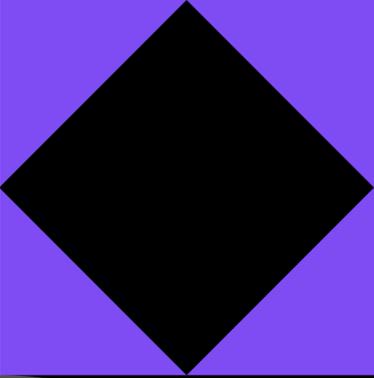
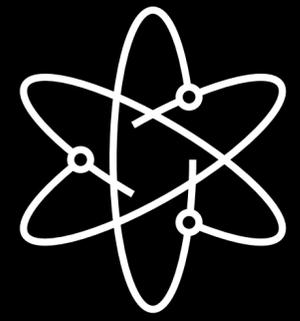
Definition	Status					
<input type="checkbox"/> Find job						
Name	Source	Target	Type	Object status	Started on	Db2 Bridge status
<input type="checkbox"/> Teradata To Db2 Ware...	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; height: 10px; background-color: green;"></div>	Sat 09/27/2025 5:26 AM	Success
<input type="checkbox"/> Migrate from Teradata...	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; height: 10px; background-color: green;"></div>	Sat 09/27/2025 4:51 AM	Success
<input type="checkbox"/> TeradatatoDb2WH	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; height: 10px; background-color: green;"></div>	Fri 09/26/2025 10:50 AM	Success
<input type="checkbox"/> demotonormaldb2	db2td171.fyre.ibm.com	9.30.79.67	One-time	<div style="width: 100%; height: 10px; background-color: green;"></div>	Fri 09/26/2025 10:24 AM	Success
<input type="checkbox"/> demo	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; height: 10px; background-color: green;"></div>	Fri 09/26/2025 10:04 AM	Success
<input type="checkbox"/> teradata_test01	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 75%; height: 10px; background-color: green; background-image: linear-gradient(to right, red 75%, green 75%);"></div>	Fri 09/26/2025 2:46 AM	Failed
<input type="checkbox"/> deptest	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 75%; height: 10px; background-color: green; background-image: linear-gradient(to right, red 75%, green 75%);"></div>	Fri 09/26/2025 2:30 AM	Failed
<input type="checkbox"/> teradatatest	db2td171.fyre.ibm.com	db2wh-bridge-1.us-so...	One-time	<div style="width: 100%; height: 10px; background-color: green;"></div>	Fri 09/26/2025 2:27 AM	Success

# Log

```
05:28:12.985 | DEBUG | <64152:MainThread> db_handler.py:431 | Run Alter DDL returned SQLSTATE as 42710
05:28:12.985 | INFO | <64152:MainThread> db_handler.py:423 | Alter statement for ORDER_DETAIL object ALTER TABLE
"DEMO"."ORDER_DETAIL" ADD CONSTRAINT fk_detail_product FOREIGN KEY (product_id) REFERENCES "DEMO"."PRODUCT" (product_id); ran
on the target database.
05:28:13.776 | ERROR | <64152:MainThread> db_handler.py:41 | error in executing query return code: 1
query: ALTER TABLE "DEMO"."ORDER_DETAIL" ADD CONSTRAINT fk_detail_product FOREIGN KEY (product_id) REFERENCES "DEMO"."PRODUCT"
(product_id);
05:28:13.776 | DEBUG | <64152:MainThread> db_handler.py:431 | Run Alter DDL returned SQLSTATE as 42710
05:28:13.777 | DEBUG | <64152:MainThread> migration_process.py:330 | Removing 1 pipes...
05:28:13.777 | DEBUG | <64152:MainThread> migration_process.py:335 | Removing /var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_052639.729486/com.ibm.migration.unload.ygmfo7s2/a597db5930f847de9fc5e79bde5c6811 ...
-----
Db2 Bridge summary
Source object: "demo"."Order_Detail"
Target object: "DEMO"."ORDER_DETAIL"
Object type: tables
Success: True
Elapsed: 00:00:20.570
Start time: 2025-09-27 05:27:53.206353
End time: 2025-09-27 05:28:13.777141
No data (empty?): False
05:28:23.631 | INFO | <63909:MainThread> migration_runner.py:520 | Total time: 103.8697202205658 (0:01:43)
05:28:23.632 | DEBUG | <63909:MainThread> migration_runner.py:710 | Migration finished with exit code 0
05:28:23.632 | INFO | <63909:MainThread> migration_runner.py:714 | Log file: /var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_052639.729486/db_migr-20250927_052639.748025.log
05:28:23.634 | INFO | <63909:MainThread> migration_runner.py:724 | JSON file: /var/lib/ibm_db2bridge_platform/log/db_migr-
20250927_052639.729486/db2bridge_history_9d025d8ccf4e46f18482a9b010f9ec44/db2bridge_report.json
05:28:23.636 | TRACE | <63909:MainThread> logger.py:86 | Db2Bridge executed with the following arguments:
Explicit arguments:
create_target_table: True
shosts: ['db2td171.fyre.ibm.com']
sschema: DBC
strategy: dataslices
tschema:
verbose: True
```

# Agenda

- 01 Overview
- 02 Key Features – Db2 Health Check
- 03 Roadmap
- 04 Important Links
- 05 Q & A



# Db2 Health Check

## Operating System and Database information

IBM Db2 Bridge

Home / Connections / Health Check

sample Last run: Sat 09/27/2025 2:12 PM [Refresh](#)

✔ Running

System Details [Upgrade Check](#)

### Environment Information

Instance Name	Is Instance Partitionable	Number Of DB Partitions	Bit Size Of Instance
db2inst1	No	1	64
Internal Release Number	DB Version	Build Level	Program Temporary Fix
02030110	DB2 v12.1.2.0	s2505201240	DYN2505201240AMD64
Fixpack Number	Number Of Members In This Instance	DB Size (Bytes)	DB Capacity (Bytes)
0	1	193568768	234455105536

### Operating System

OS Name	OS Version	OS Release	Host Name
Linux	5	14	c4533v1.fyre.ibm.com
Total CPUs In Host	Configured CPUs	Total Memory	OS Full Version
8	8	15733	Red Hat Enterprise Linux Server 9.6
OS Kernel Version	OS ARCH TYPE		
5.14.0-570.44.1.el9_6.x86_64 #1 SMP PREEMPT_DYNAMIC Tue Sep 9 05:17:30 EDT 2025	x86_64		

# Db2 Health Check

# Upgrade Check

IBM Db2 Bridge

Home / Connections / Health Check

sample Last run: Sat 09/27/2025 2:12 PM [Refresh](#)

Running

System Details **Upgrade Check**

**Source environment**  
sample 12.1.2.0

**Target environment**   
Db2OnCloud v12.1

**Severity**

- All 6
- Suggestion 6

**Categories**

- All
- Unsupported Features
- Reconfiguration
- Db2 Fixed Parameters
- Db2 Allowed Parameters
- Backup Support
- Minimum Required

**Db2 Fixed Parameters**

Title	Severity	Solution Text
System defined Db2 profile registry variables	Suggestion	The following list of variables cannot be changed by the user.
System defined Db2 DBM variables	Suggestion	The following list of variables cannot be changed by the user.

**Db2 Allowed Parameters**

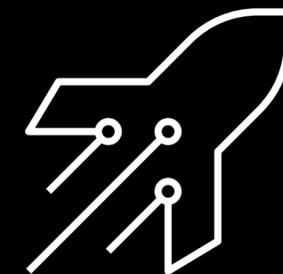
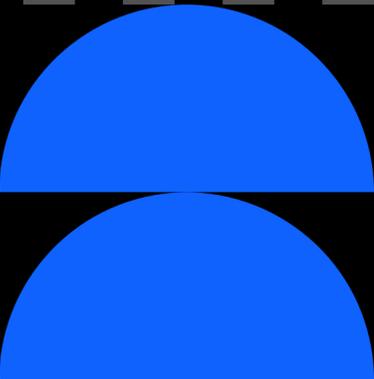
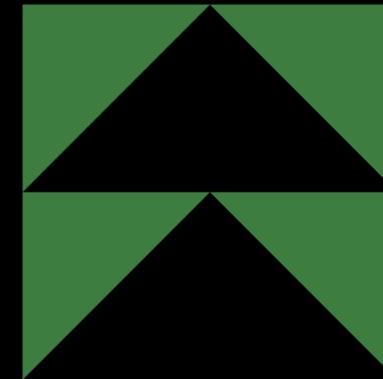
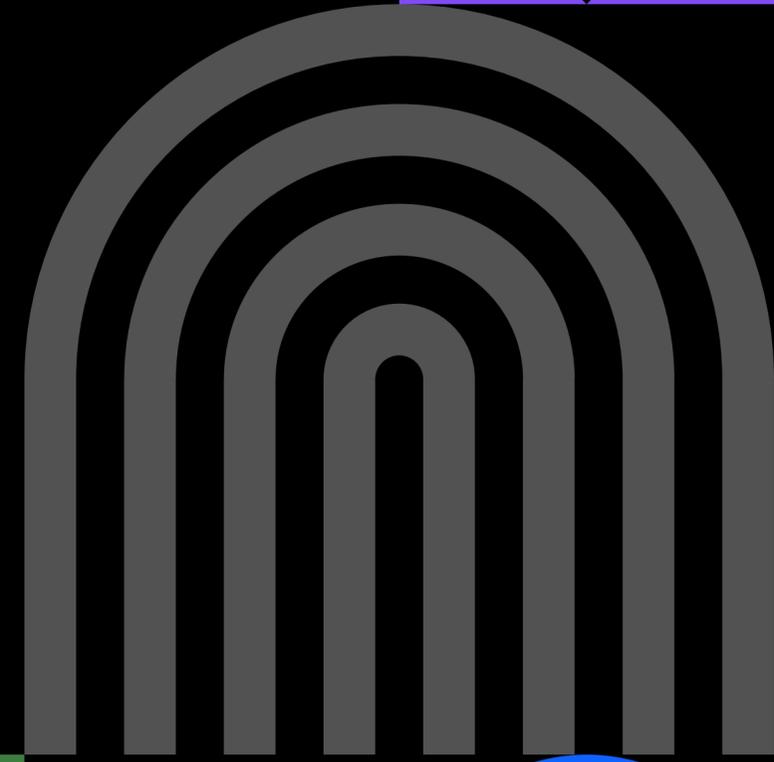
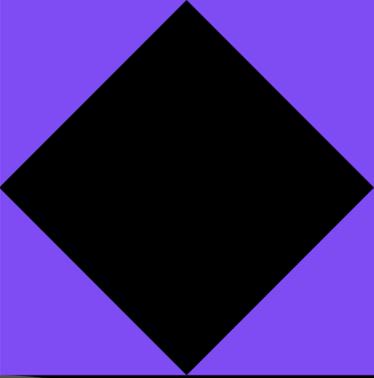
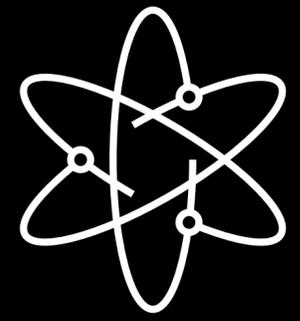
Title	Severity	Solution Text
User defined DBM variables	Suggestion	The following list of variables can be changed by the user.
User defined profile registry variables	Suggestion	The following list of variables can be changed by the user.

**Backup Support**

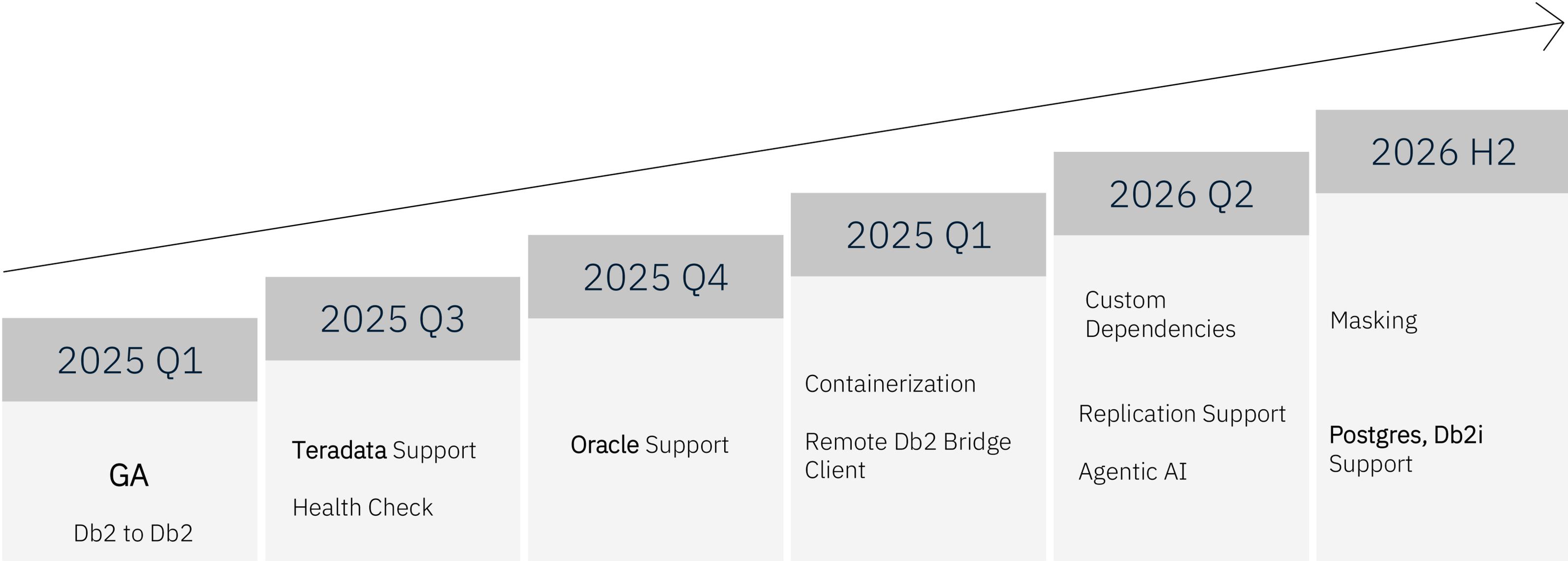
Title	Severity	Solution Text
Backup and Restore supported	Suggestion	Users can take backup and restore it on Db2 SaaS.

# Agenda

- 01 Overview
- 02 Key Features
- 03 Roadmap
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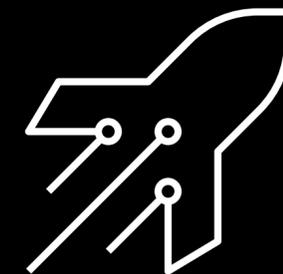
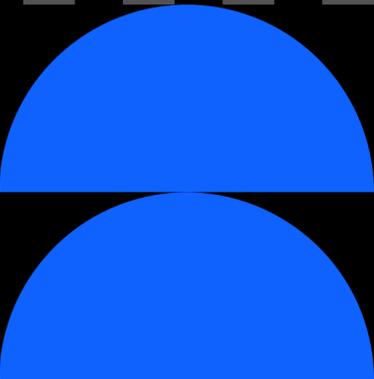
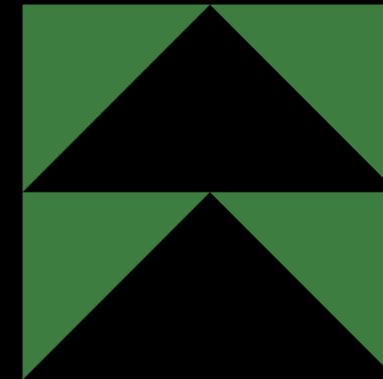
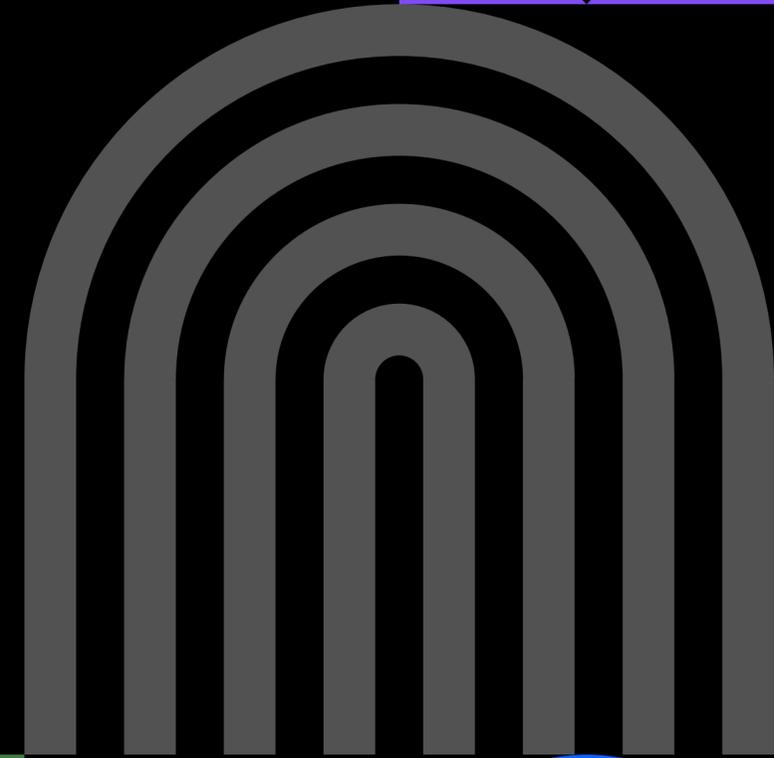
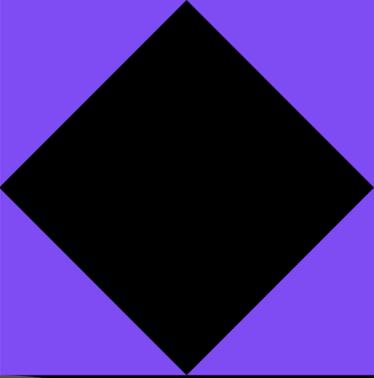
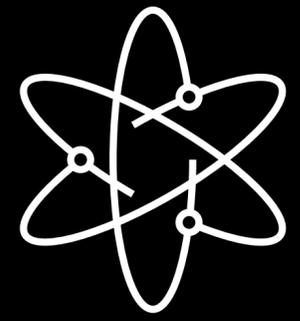


# Db2 Bridge - Roadmap



# Agenda

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# Important Links

## **Try and Buy :**

Trial download from IBM Fix Central [Link](#).

Product packages with license activation are available in Passport Advantage (PA).

Trial period is 30 days.

## **Product Documentation: Knowledge Center :**

<https://www.ibm.com/docs/db2-bridge>

## **Announcement:**

<https://www.ibm.com/docs/en/announcements/db2-bridge-11-delivers-singular-data-movement-tool-your-mission-critical-workloads>

## **Marketing blog:**

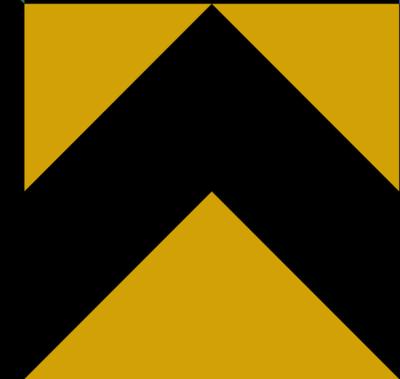
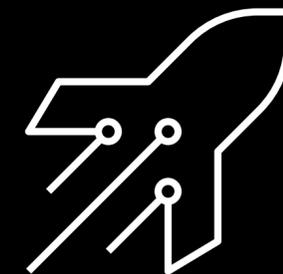
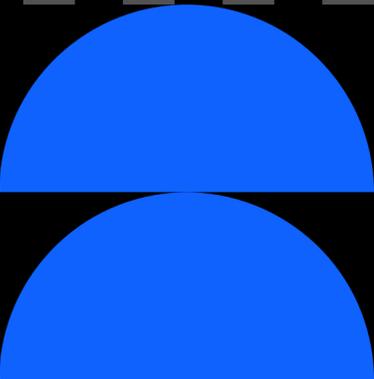
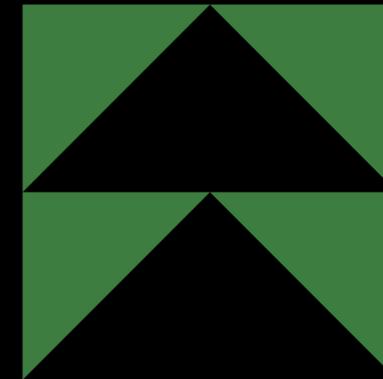
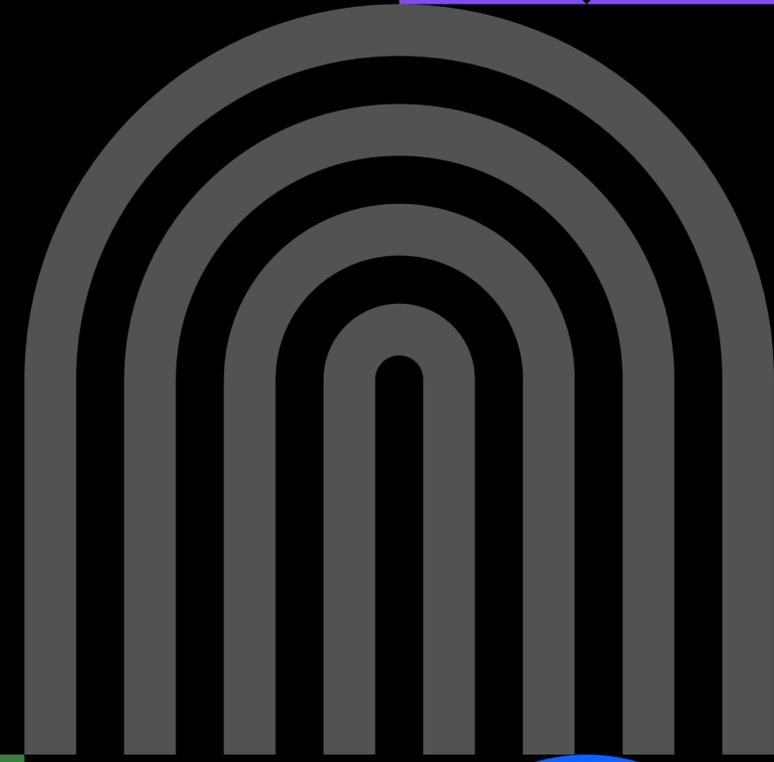
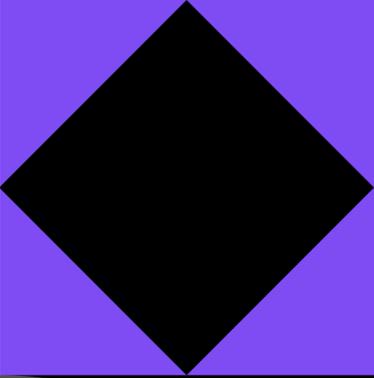
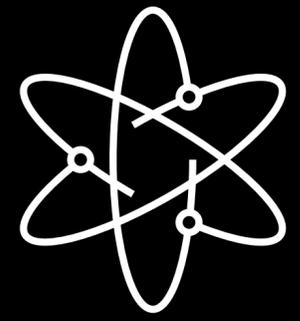
<http://www.ibm.com/new/announcements/ibm-db2-bridge-one-data-movement-tool>

## **Link to the license agreement:**

<https://www.ibm.com/support/customer/csol/terms/?ref=L-HHRH-VQWUSP-01-09-2025-zz-en>

# Agenda

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An aerial view of Sydney, Australia, at dusk. The Sydney Harbour Bridge is prominent on the left, spanning the water. The city skyline is visible in the background with many skyscrapers. In the foreground, there are many sailboats in the harbor and a brightly lit amusement park area on the left. The sky is a mix of blue and orange from the setting sun.

# IDUG

**2026** Australia **Db2** Tech Conference