

# Capabilities for DB2 for z/OS

## Contents

- [Capture](#)
- [Hub Database](#)
- [Integrate](#)
- [Bi-directional Replication](#)
- [Refresh and Compare](#)
- [Other Capabilities](#)

This section lists the [Capabilities](#) of HVR when using 'DB2 for z/OS'. For more information about the pre-requisites, access privileges, and other configuration requirements, see [Requirements for DB2 for z/OS](#).

## Capture

HVR supports the following capabilities on DB2 for z/OS:

- [Capture](#) changes from location (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Log-based capture (capture from DBMS logging system) (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Log-based capture of tables without a primary key (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Log-based capture of tables with LOB column (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Populates column `hvr_cap_user` for use in [ColumnProperties](#) `{hvr_cap_user}` substitutions (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Log-based capture of truncate table statements (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Multiple log-based capture jobs can capture from same database (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- Log-based capture checkpointing (action [Capture /CheckpointingFrequency](#)) (DB2 for z/OS from version 11.01.00 to version 12.01.05).

HVR does not support the following capabilities on DB2 for z/OS:

- Capture from Archive log files only.
- Log-based capture of DDL statements using action [AdaptDDL](#).
- Direct access to logs on a file system.
- Access to logs using SQL interface.
- Log-based capture from hidden rowid column ([ColumnProperties /CaptureFromRowId](#)).
- Rewind log-based capture to specific time ([Hvrinit](#) option `-i`).
- Online refresh using accurate LSN/SCN.
- Capture from tables with basic compression.
- [Hvrlogrelease](#) to preserve journal/archives.
- Read archives from an alternative directory ([Capture /ArchiveLogPath](#)).
- Trigger-based capture (action [Capture /TriggerBased](#)).

## Hub Database

HVR does not support Hub database on DB2 for z/OS.

## Integrate

HVR supports the following capabilities on DB2 for z/OS:

- [Integrate](#) changes into location (DB2 for z/OS from version 10.01.00 to version 12.01.05).

- [Integrate](#) with **/BurstCommitFrequency** (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Continuous integration ([Integrate](#) without **/Burst**) (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Action [TableProperties](#) with **/DuplicateRows** for continuous integration (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Continuous [Integrate](#) with **/OnErrorSaveFailed** (without **/Burst**) (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Action [Transform /SoftDelete](#) (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Creation and update of HVR state tables (DB2 for z/OS from version 10.01.00 to version 12.01.05).

HVR does not support the following capabilities on DB2 for z/OS:

- [Integrate](#) with **/Burst**.
- Disable/enable database triggers during [Integrate](#) (**/NoTriggerFiring**).
- [Integrate](#) with **/DbProc**.

## Bi-directional Replication

HVR supports the following capabilities on DB2 for z/OS:

- Detection of changes made by HVR in a bidirectional channel to prevent loop-back (DB2 for z/OS from version 11.01.00 to version 12.01.05).
- [CollisionDetect](#) with **/TimestampColumn** (DB2 for z/OS from version 11.01.00 to version 12.01.05).

HVR does not support the following capabilities on DB2 for z/OS:

- [CollisionDetect](#) with Log-based Capture (without **/TimestampColumn**).

## Refresh and Compare

HVR supports the following capabilities on DB2 for z/OS:

- [Hvrrefresh](#) or [Hvrcompare](#) from source location (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- [Hvrrefresh](#) into target location (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Row-wise [Hvrrefresh](#) into target location (option **-g**) (DB2 for z/OS from version 10.01.00 to version 12.01.05).

## Other Capabilities

HVR supports the following capabilities on DB2 for z/OS:

- International table and column names where DBMS is not configured with UTF-8 encoding (DB2 for z/OS from version 10.01.00 to version 12.01.05).
- Treat DBMS table names and columns case sensitive (action [LocationProperties /CaseSensitiveNames](#)) (DB2 for z/OS from version 10.01.00 to version 12.01.05, since HVR 5.6.5/1).

HVR does not support the following capabilities on DB2 for z/OS:

- Use distribution key for parallelizing changes within a table ([ColumnProperties /DistributionKey](#)).