

Capabilities for BigQuery

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

Capture

HVR does not support [Capture](#) changes from location on BigQuery.

Hub Database

HVR does not support Hub database on BigQuery.

Integrate

HVR supports the following capabilities on BigQuery:

- [Integrate](#) changes into location (BigQuery version 2).
- [Integrate](#) with **/Burst** (BigQuery version 2).
- [Integrate](#) with **/BurstCommitFrequency** (BigQuery version 2).
- Continuous integration ([Integrate](#) without **/Burst**) (BigQuery version 2).
- Action [Transform /SoftDelete](#) (BigQuery version 2).
- Bulk load requires a staging area ([LocationProperties /StagingDirectoryHvr](#)) (BigQuery version 2).
- Creation and update of HVR state tables (BigQuery version 2).

HVR does not support the following capabilities on BigQuery:

- Action [TableProperties](#) with **/DuplicateRows** for continuous integration.
- Continuous [Integrate](#) with **/OnErrorSaveFailed** (without **/Burst**).
- Disable/enable database triggers during [Integrate](#) (**/NoTriggerFiring**).
- [Integrate](#) with **/DbProc**.

Bi-directional Replication

HVR does not support Bi-directional Replication on BigQuery.

Refresh and Compare

HVR supports the following capabilities on BigQuery:

- [Hvrrefresh](#) or [Hvrcompare](#) from source location (BigQuery version 2).
- [Hvrrefresh](#) into target location (BigQuery version 2).
- Row-wise [Hvrrefresh](#) into target location (option **-g**) (BigQuery version 2).

Other Capabilities

HVR supports the following capabilities on BigQuery:

- International table and column names where DBMS is not configured with UTF-8 encoding (BigQuery version 2).
- Treat DBMS table names and columns as case sensitive if configured (action [LocationProperties /CaseSensitiveNames](#) defined) (BigQuery version 2).
- Always treat DBMS table names and column names as case sensitive, even if not configured (action [LocationProperties /CaseSensitiveNames](#) not defined) (BigQuery version 2).
- Always treat DBMS schema names case sensitive (BigQuery version 2).

HVR does not support the following capabilities on BigQuery:

- Use distribution key for parallelizing changes within a table ([ColumnProperties /DistributionKey](#)).
- Lossless binary float datatypes. No dataloss when transporting float values (because base 2 fractions are never converted to base 10).