

## Webinar: Replication for Continuous Availability of IBM Db2 Warehouse on Cloud | April 22, 2021

### Q&A session: Audience questions with Presenters answers

1. Does this new product support replicating from Db2 WHoC on AWS to Db2 WHoC on IBM Cloud?

**Answer:** Yes, Data Replication for Continuous Availability on Db2 Warehouse on Cloud supports replicating between warehouse instances on both AWS and IBM Cloud.

2. You mentioned a ground-to-cloud replication feature earlier, could you please share more details. What sources and targets are or will be supported?

**Answer:** Ground to Cloud replication supports IBM Integrated Analytics System IIAS (on-premises) as a source, and Db2 Warehouse on Cloud as target. This new feature is planned for release in 2H 2021.

3. Does the replication have to be set up at a table level or can one define it at the database level and not worry about having to change subscriptions as tables are added and/or dropped?

**Answer:** Replication is performed at the table level. The solution replicates transactions for the set of tables that are part of the 'replication set', which corresponds to an application. You can multi-select all tables that are used by the application when creating the replication set. When new tables are created you will need to edit the replication set to add those new tables.

4. Can this **Q-replication technology** be used with DB2 LUW?

**Answer:** The underlying Q Replication technology supports all Db2 form factors, including z/OS. However the UI for Db2 warehouse on Cloud currently only support db2WoC to Db2WoC. Manual deployments are possible for other types of Db2 configurations.

5. Is this Replication Facility is available on DB2 z/OS Mainframe ?

**Answer:** Yes. The replication technology is available for z/OS via the product IBM InfoSphere Data Replication for Db2 for z/OS (IIDR).

6. What is the cost?

**Answer:** Replicated data is charged at \$0.12/GB for data captured (at source) and \$0.12/GB for data applied (at target) on a Pay-As-You-Go basis. Furthermore, customers do however need to purchase Additional storage, required by the Replication feature, charged at \$80 per month.

7. Can please elaborate on CDC replication vs Q-Rep ?

**Answer:** Q Rep supports replication of columnar databases for the Db2 Warehouse. Q Rep technology is recommended for Db2 replication, and the only solution for Db2 Warehouse on Cloud and that supports columnar tables. It is positioned for Continuous Availability solutions. CDC is recommended for heterogeneous replication. It is positioned for data intergration solutions and creating data pipelines

8. CDC replication allows to replicate DDL changes on/OFF ?

**Answer:** Q Rep supports replication of ALTER TABLE, adding columns or changing data types.

9. Is there the ability to do data transformations to the data similar to IBM CDC data functions, or is this just one to one replication copy?

**Answer:** The base technology, q replication support extensive transformations, including audit table (aka CCD targets), available for on-prem deployment or private cloud. But the solution described today only leverages the same-to-same function via the console.

10. You mentioned ground to cloud coming in the future. Would it include Db2 z/os as source ?

**Answer:** Db2 z/OS as a source to Db2WoC is not yet supported, please open a requirement for clients to voice their support so we can evaluate demand for the feature. Clients willing to engage in a POC could set this up manually.

11. Do you have the list of source and target datasets or datasources listed somewhere ?

**Answer:** Db2WoC currently is only for same-to-same, on either AWS or IBM Cloud. The underlying technology supports all Db2 form factors, and Oracle targets. See: <https://www.ibm.com/docs/en/idr/11.4.0?topic=overviews-supported-sources-targets>

12. When to scope/choose Q-rep vs CDC replication?

**Answer:** Q Rep technology is recommended for Db2 replication, and the only solution for Db2 Warehouse on Cloud and that supports columnar tables. It is positioned for Continuous Availability solutions. CDC is recommended for heterogeneous replication.