IBM Data Replication for Continuous Availability(Qrep) Support for standalone OpenShift.

—

Data and AI
13 March 2023

What's new .....

IBM Data Replication for Continuous Availability (Qrep) is now available on standalone OpenShift platform.

Our market leading Data Replication product (Qrep) now extends near real-time data synchronization to IBM Db2U (Db2 , Db2 Warehouse) on standalone (non CP4D) Openshift Platform   -- delivering reliable data where you need it, when you need it

Available with **Db2U 11.5.8.0-cn1** *on 15th March*

Data Replication captures database changes as they happen and delivers them to target databases, message queues, Big Data and ETL platforms.

Replication provides low impact, near real-time data movement for key data management initiatives incl. Data Fabric, Data Warehousing, Continuous Availability, etc

This new functionality extends Replication Capability to Db2 U Databases deployed on (non CP4D) OpenShift platform supporting customers who want to modernize their Db2 portfolio to a containerized, micro services architecture on a hybrid cloud platform such as OpenShift

Data Replication Supports Business Agility and Continuous Operations

React to Data Changes in near real-time
Detect business critical data events with low impact change data capture and low latency data distribution

Improves business insight
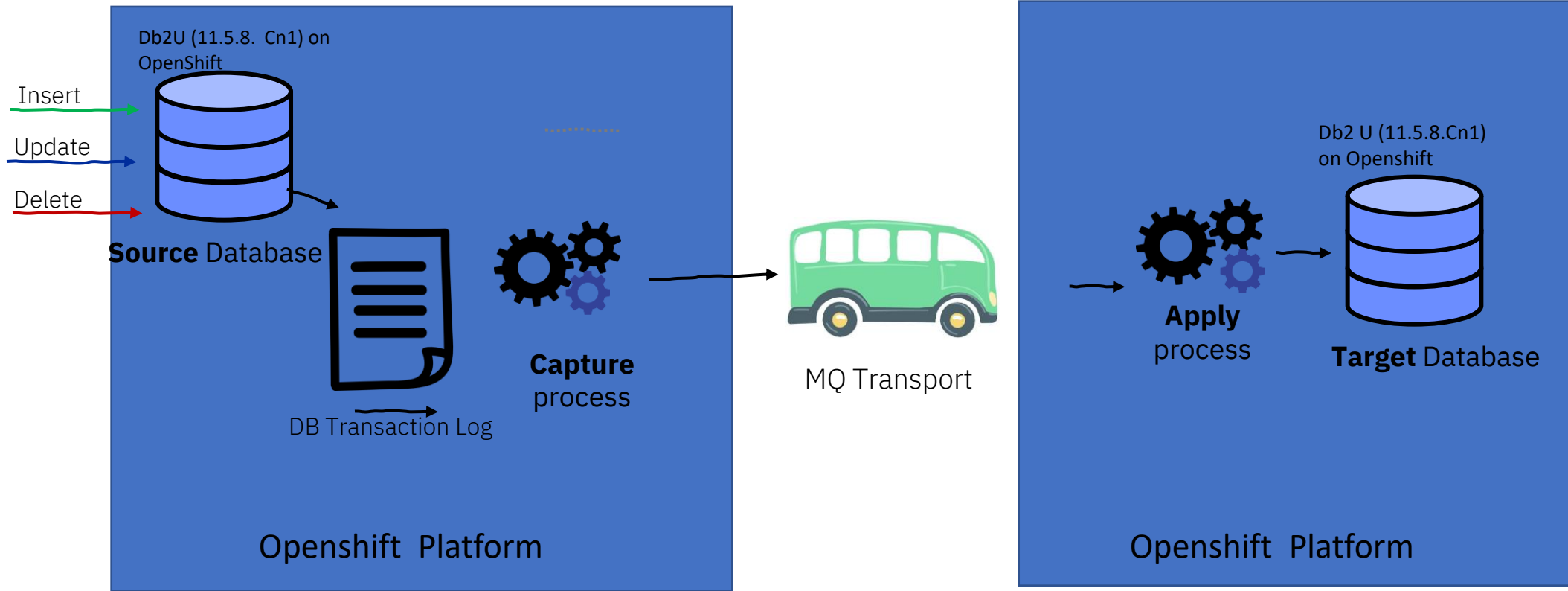Feed real-time data into data warehouses for analytics or into stream processing platform(s).

Delivers continuous operations
Sync data for business continuity by assuring high data availability.

What's new ---IBM Data Replication for Continuous Availability (Qrep) is now available on standalone Openshift

Db2U (11.5.8. Cn1) on OpenShift

Insert

Update

Delete

Source Database

DB Transaction Log

Capture process

MQ Transport

Apply process

Db2 U (11.5.8.Cn1) on Openshift

Target Database

Openshift Platform

Openshift Platform

Supports Replication between Db2 U (11.5.8. Cn1) Sources and Targets on Stand Alone (non Cp4D) OpenShift Platform

Supports OpenShift V 4.10 & 4.12 on prem and self managed IBM Cloud

Supports Replication between
DB2 (DB2 U) <–> Db2 (DB2 U)
DB2 WH (DB2 U) <–> DB2 WH (DB U)
DB2 (DB2 U) <–> DB2 WH (Db2 U)

Supports NFS, OCS , Spectrum Scale Storage

Supports Db2WH SMP , MPP Replication

Available as a deployment option to all IIDR / IDR / IDR for Availability licensees

Who ...

Existing or new Db2 U customers who have /are modernizing their Db2 portfolio to Db2U on OpenShift platform

- DBAs need to ensure databases can handle user demand (read/write activity) through workload distribution.

- Application Owners who need to meet availability/downtime SLAs for multi-site applications on Db2 U on OpenShift during planned/unplanned disruption and disasters.

- IBM Data Replication for Continuous Availability (Qrep)   will enable replication of Db2 U (both row and columnar organized tables) ensuring support for operational and analytics datastores on OpenShift Platform thus allowing workload distribution

- IBM Data Replication for Continuous Availability (Qrep) provides near real time Data Synchronization with minimal impact on source systems to support continuous availability during planned and unplanned outages