Assure MIMIX and IBM Db2 Mirror

Advanced High Availability and Disaster Recovery for IBM Db2 Mirror Environments

Using synchronous replication between two active Db2 databases located in the same data center, IBM® Db2 Mirror® ensures that a second copy of your data is always available to your business should one database node fail or require maintenance, and enables workload balancing between the two systems.

But Db2 Mirror protection is limited by its requirement that both servers must be within the same data center. This can leave your business-critical Db2 data exposed to significant or complete loss if your servers are damaged or destroyed in a site-specific or regional disaster. And, while IBM Db2 Mirror does enable continuous data availability for Db2 databases, it does not replicate all of the essential system data and objects that are required for HA switching or failover.

Assure MIMIX is an essential complement to IBM Db2 Mirror that replicates data to one or more recovery servers to ensure that your Db2 data is protected against all disaster scenarios. It also replicates the objects not mirrored by IBM Db2 Mirror that are required to support failover should a production server fail.

Expanded Db2 data protection topologies are also possible with Assure MIMIX. In addition to protecting your Db2 data, Assure MIMIX enables powerful data distribution and workload balancing capabilities that work with any mix of local, remotely hosted and cloud-based IBM i servers.

Benefits

- Eliminates the extremely high costs and consequences of data loss by protecting your Db2 data against site-specific or regional disasters
- Fully supports any local or multi-site HA and DR configuration for comprehensive IBM i data and server protection
- Empowers your business through real-time data replication to additional servers for advanced analytics, data warehousing, queries, testing and more
- Enables confident, auditable compliance with regulatory and service level agreement requirements for uninterrupted availability

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How It Works

IBM Db2 Mirror replicates Db2 data between two database servers that are located in the same data center. Assure MIMIX provides additional capabilities, enabling replication from the primary IBM Db2 Mirror node to a remote DR server to protect the server, applications and data from regional disaster, site failure, or data center outage. Switching between any of the nodes is also handled seamlessly, even switching replication from one active Db2 Mirror node to the other.

Assure MIMIX also replicates objects not supported by IBM Db2 Mirror between the two nodes in an active-active configuration. These essential objects include device descriptions, user index objects and more. While IBM Db2 Mirror provides continuous data availability, Assure MIMIX enhances protection by enabling complete switching or failover for planned or unplanned outages.

Expanded replication topologies are also possible with Assure MIMIX. A blend of high availability, disaster recovery and data distribution servers can be configured to ensure that your business is fully protected from downtime and data loss and to feed real-time data to additional servers for data warehousing, queries, testing and other business processes.

Services from the Precisely Global Services team are available to install and configure Assure MIMIX to meet your specific Db2 data availability and disaster recovery needs.

System Requirements

- IBM Power Systems running IBM i
- Supports replication between any IBM i storage types and OS versions
- Supports replication between internal, external, and SSD storage
- Supports replication of both *SYSBAS and IASP data
- Verify Assure MIMIX licensing options with your Precisely representative

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