Assure QuickEDD HA

Simple, Efficient, Complete HA/DR for IBM i

Assure QuickEDD HA is a full-featured high availability and disaster recovery solution designed to protect critical IBM i applications and data from loss and downtime simply and efficiently. Quick to install and configure, Assure QuickEDD HA delivers fast, no-lock synchronization that accelerates your time to protection. Real-time replication, synchronization audits and customizable switch procedures can be managed through 5250 screens or a graphical interface offering support for seven languages.

Key Features

Fast, Efficient Real-Time Replication

- Assures transaction integrity with IBM i local journaling
- Scales from SMB to Enterprise workloads
- Expands to multi-node environments
- Offers compression and encryption
- Provides continuous data protection
- Replicates between mixed hardware, storage and IBM i OS versions
- Minimizes bandwidth usage whether the backup server is local or remote
- Supports a variety of configurations, including bi-directional and broadcast
- Allows access to replicated data for business operations or IT maintenance
- Scrubs personal data during replication with Assure QuickEDD Anonymizer add-on

Complete HA/DR Protection

- Fast synchronization for quick time to protection
- Continuously monitors replicated data and repairs any changes
- Scheduled or on-demand audits correct out of sync data and objects
- Allows a switch at any time
- Built-in switch procedures can be run step by step, interactively or in batch mode
- Tracks jobs to enable resumption after failover
- Supports RTO in seconds to minutes and sub-second RPO
- Displays latency indication for RPO visibility

Easy to implement and manage

- Fast installation and configuration
- 5250 interface or graphical interface with support for seven languages
- Reports status to common enterprise monitoring dashboard with Assure MIMIX and Assure Security products
- Shipped with tools for analysis, monitoring, specific configurations and more
- Provides reports on environment, job logs, errors and more
- Enables unattended monitoring with MSGQ, email and SNMP alerts – and a Nagios plug-in

How It Works

Assure QuickEDD HA replicates a wide variety of objects, including database objects, IFS, system values, user profiles, spool files, job queues, job scheduler and more from a production server to a backup server that stands ready to assume the production role. Synchronous replication built on IBM i local journaling assures data integrity. Replication is supported between different hardware, storage and IBM i operating systems, whether the servers are in the same data center or across the globe. One-to-one, one-to-many, many-to-one, bi-directional, daisy-chain, broadcast and single-system replication configurations are supported, and configurations can expand to multi-node environments.

Replicated data on the backup server is validated to ensure it remains in sync with the production server through scheduled audits, on-demand audits and continuous monitoring. Out-of-sync conditions are automatically and efficiently repaired without being placed on hold.

Assure QuickEDD HA provides both 5250 and graphical user interface options, with support for seven languages in the GUI. Status is reported to a graphical enterprise monitoring dashboard along with Assure MIMIX and Assure Security products. Alerts can also be configured through email, MSGQ and SNMP, with a plug-in for Nagios. In the event of a planned or unplanned outage, customizable, built-in switch procedures can be run step-by-step, interactively or in batch mode. Tools are also shipped with Assure QuickEDD HA to support functions such as analysis, monitoring, and specific configuration scenarios.

System Requirements

- IBM Power Systems running IBM i
- Supports on-premises, hosted or cloud configurations, including hybrid environments
- Supports replication between storage types and OS versions
- Supports replication between internal, external, and SSD storage
- Supports replication of both SYSBAS and iASP data