

# QUICK-EDD/HA

## High Availability for IBM Power i



*The importance of all applications and data on your Power i system, no longer permits you to accept any computer shutdown or even worse: loss of data.*

*Only by installing a backup system with Quick-EDD can a 24/7 continuity of your business processes be ensured. The backup system will take over during maintenance or update operations and even more important, it will ensure emergency backups and provide testing facilities.*

*Quick-EDD allows the continuity of information to be ensured by real time replication of data and objects on your IBM Power i. The program is easy to install and configure; its everyday management only requires a few minutes. Moreover it offers a return on high-performance investment.*

### Simple, Efficient, Sure

- Simple
- High performing
- Quick
- No maintenance
- Fair pricing
- Free on site demos



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# QUICK-EDD/HA

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### ■ **Simplicity**

*Simplicity makes the product reliable: everything is clear during a switch.*

The switch process is the cornerstone of Quick-EDD. As a result, simplicity becomes a statement and a way of life: minimal product management along with low overhead.

### ■ **Replication with SIP – Sequence Integrity Processing**

*Quick-EDD methods using the synchronous mode allow a switch at any time.*

A confident switch is the primary objective of our solution. Therefore a unique way to perform the replication is created. Based on journaling technology, Quick-EDD replication uses the Sequence Integrity Process (SIP). When events occur on your source machine, they are replicated on the target in the same sequence as they appeared on the source. Regardless whether it is an object, logical/physical/join file, authorisations, IFS, Spool, Blobs,...

### ■ **Replication with CCI – Core Cycle Information**

*SIP combined with the CCI allows a switch at any time.*

This SIP uses the synchronous mode (the only way to get real HA) and replicates blocks of events, using CCI, in four steps: 1) Detect and select the effective part of the update, 2) Send, 3) Apply on the target, directly at the correct place, 4) Send back an acknowledgement. Then the message of success/failure of the apply process appears.

### ■ **Synchronization – EDC Module**

*The synchronization process controls and assures that your systems are in sync at all times, building your confidence to switch at any time.*

Quick-EDD Data (and object) Comparison Module compares the target object with the source object and transmits the least possible amount of data required to synchronize the object on the target. The EDC Module automatically corrects errors during normal replication. Maintenance synchronization can be submitted at any time. Applied automatically by your operational processes or performed manually with a simple command. Available for all system objects of IBM Power i.

### ■ **Switch process**

*The switch process is identical for planned or unplanned outages.*

Starting point of Quick-EDD/HA is a safe switch possibility at all times. By entering one simple command, the system leads you through all the steps of your switch.

### ■ **Resync**

*Resync becomes a normal operation. No save-restore necessary.*

A system Synchro can be performed any time. It can be applied automatically with your operation processes or performed manually with a simple command. So Quick-EDD/HA doesn't force you to use the common approach of a SAVE/RESTORE option.

### ■ **Synchronization embedded in replication**

If an acknowledgement is in error, the replication process starts the Check/Sync function automatically. Quick-EDD detects the errors of the environment and repairs it by sending only the core information needed to fix the condition.

### ■ **The Independent Synchronization: IOA (Independent Object Audit)**

Unique on the market! This highly advanced function is essential... Today, the recovery systems hosted by the client himself or in a data center is subject to human mistake and damaged because it's also used for ROI reasons. This IOA feature is a continuous loop that checks completely the two systems and start the Check/Sync in case of out-of-sync situation for DB2 - Spools - IFS - pgm - security - sysval - config - status of jobs... can be performed at any time you want, automatically with your operation processes or manually with a command. Function available for some or every parts of the IBM Power i.

### ■ **Jobs Follow-up Processing - JFP**

*The JFP allows clients, in every situation, to manage their jobs information during a switch.*

This unique function provides you on the target machine, in real time, the status of all the jobs running (or not) on the source machine. The switch process is then managed as efficiently as possible.

### ■ **Power i Components**

Quick-EDD/HA supports the entire environment of the IBM Power i by replicating the following: Database, Objects, Configuration, User Profiles and Security, System Values, Spools and IFS. Quick-EDD/HA supports advanced OS400 and IOS functions including triggers, constraints, Commit/Rollback, iASP, Blobs and IBM software including MQSeries and WebSphere...

### ■ **Heterogeneous Replication**

In addition, Quick-EDD offers Quick-EDD/DR, heterogeneous replication software which enables the replication of reformatted data to most widely-used databases (DB2, UDB, SQL Server, Oracle and more).

### ■ **Fair pricing**

Quick-EDD configuration pricing is based on the IBM Class (Pxx) designation. Each product license includes 2 partitions for the HA process.