QUICK-EDD/HA
A SECURITY SOLUTION

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 importantly, 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
- High performing
- Fast
- No maintenance
- Fair pricing
- Free on-site demos

IBM
Business Partner

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Why Quick-EDD/HA ?

■ Simplicity

The switch process is the cornerstone of the Quick-EDD solution. Although it provides a very high tech software solution, the look and feel of the product is very simple. The result is minimal product management along with low overhead. Simplicity makes the product reliable: everything is clear during a switch over or fail over of your system.

■ Replication with SIP – Sequence Integrity Processing

As a confident switch is the primary objective of Quick-EDD/HA, it provides a unique way to perform the replication process. Based on journaling technology, EDD-Replication uses the *Sequence Integrity Process* (SIP) to apply events on the target in the same sequence as they appeared on the source. Regardless whether they are objects, logical/physical/join files, authorisations, IFS, spools or blobs.

■ Replication with CCI – Core Cycle Information

SIP combined with the CCI allows a switch at any time.
This SIP uses a synchronous mode and replicates blocks of events - 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.

■ Synchronization – EDC Module

The check/sync module controls and ensures that your systems are in sync at all times, building your confidence to switch at any time.
The 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.
Quick-EDD/HA ensures the possibility to switch 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 sync 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. EDD detects errors of the environment and repairs it by sending only the core information needed to fix the condition.

■ Jobs Follow-up Processing - JFP

The JFP allows clients, in every situation, to manage their job information during a switch.
This unique function provides on the target machine, in real time, the status of all jobs running (or not) on the source machine. Jobs waiting in job queues can be submitted on the target machine after a switch!

■ 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/DRm, 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.