

# EDR™

Enterprise Data Replicator

Information—all day, every day.



## Announcing EDR—Enterprise Data Replicator™—the New Standard in Real-time Peer-to-peer Replication

### EDR Solutions

E-Net's **EDR—Enterprise Data Replicator** sets the new standard in database application availability. EDR provides replication and propagation solutions designed specifically for real-world applications. High-value. High-volume. Critical systems which have the ultimate availability requirements. *Not 99%. Not 99.99999%.* **Systems that require 100% uptime.** If you have an application which absolutely must be available at all times, you should consider EDR.

EDR builds on E-Net's twenty years of experience with mainframe database replication and offsite recovery solutions, for both continuous availability and disaster recovery applications.

EDR uses a completely new and redesigned software architecture exploiting today's best practices in development and quality assurance. It provides the *leanest and cleanest* high-end data replication capability.

EDR addresses today's and tomorrow's demands for completely available and responsive mainframe database applications across potentially many nodes, distributed across the globe, separated by thousands of miles.

EDR goes well beyond the capabilities of any hardware mirroring approach, which are by design uni-directional. EDR does not require any proprietary hardware.

EDR fully exploits today's and tomorrow's network configurations and topologies, with full TCP/IP and Websphere MQ support.

EDR can be used in differing scenarios depending on business requirements:

#### Scenario A — Instantaneous switch-over to backup site. Replication is uni-directional at any given time.

Backup locations can be used for query and other read-only workload, thus providing the ability to balance workloads across the network. Switch-over capabilities enable both scheduled and unscheduled outages to be efficiently and transparently handled with no loss of data.

#### Scenario B — Multiple live sites each handling update transactions. Loss of a given node, scheduled or unscheduled, is transparent to users.

Provides the ultimate in load balancing capabilities—every site can handle both retrieval and update transactions when required. Applications are provided a wide range of options for handling conflict resolution, with advanced conflict detection algorithms.

EDR automatically recovers from unforeseen system outages, abends and operational errors with no impact on users. It is easily maintained and operated, enabling true 100% continuous operation — 24 by 7 by 365. Your applications are always up. Your information is available all day — every day.

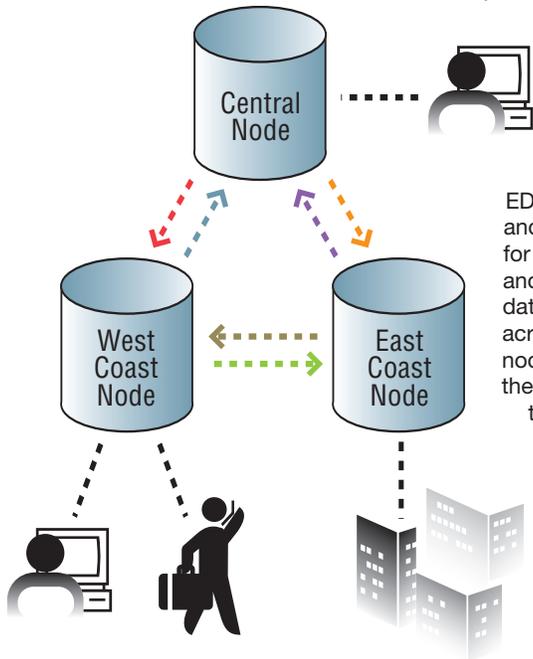
### EDR Features

#### EDR: OCEAN™— Open Communications Environment Across Networks

EDR: OCEAN provides the infrastructure for advanced database replication. It uses TCP/IP or Websphere MQ capabilities to convey any kind of message across multiple nodes. Uses the most advanced and efficient techniques for communications, enabling customers to use EDR within existing and planned networks.

EDR: OCEAN dynamically detects and responds to changing network connections, automatically balancing traffic across the available WAN facilities. When required, packets are routed over alternate connections when a network outage occurs.

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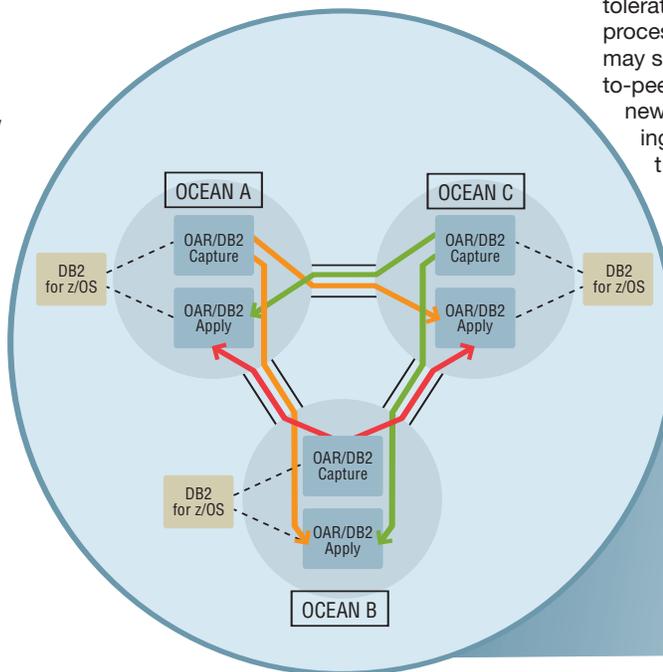
## EDR Features (continued)

The OCEAN™ layer provides command and control interfaces, enabling web browser or green-screen administration and operations. It is designed specifically for today's requirements for fully automated, flexible and easy-to-use interfaces.

OAR/DB2 has no requirement for unique indexes, and fully exploits and tolerates DB2 referential integrity, stored procedures and triggers. It handles LOBs. EDR enables your applications to use DB2 features and capabilities without restriction.

OAR/DB2 was designed from the outset to fully support and exploit DB2 for z/OS Version 8, while tolerating Version 7 subsystems and the migration process to Version 8. Differing versions of DB2 may simultaneously participate in multiple-site peer-to-peer replication. EDR enables you to roll out a new version of DB2 gradually across your processing nodes, without outages and without disruption, while providing fall-back capabilities at every location.

## EDR: OAR/DB2 Capture and Apply



OAR/DB2 handles long object names, Unicode catalog and multiple codesets — fully supporting today's diverse and complex applications. Its design is based on years of experience supporting high-volume homogeneous data replication for mission-critical applications.

OAR/DB2 uses a customizable and highly efficient apply mechanism, including partition-level apply when needed. SQL errors, update conflicts and other errors are detected and resolved automatically using rules established by the user.



Comprehensive user interface

OAR/DB2 automatically identifies sets

of tables having referential integrity relationships and insures complete data integrity throughout the capture and apply process.

## EDR: OAR™ — Open Architecture Replication

EDR: OAR/DB2 provides real-time DB2 for z/OS replication and change propagation. It uses sophisticated and highly efficient methods for change capture using a unique log capture approach. Data synchronization is handled automatically and completely without disruption using a patent-pending algorithm.

OAR/DB2 enables fully dynamic and automatic activation for new objects, plus the ability to tolerate DDL changes at a source site with no outage at target. It uses a specially-designed exploitation of static and dynamic SQL to apply changes at a target location with minimum overhead.

OAR/DB2 completely supports DB2 data sharing within the Parallel Sysplex, enabling true parallelism exploitation at both source and target sites.

EDR—Real time. Peer-to-peer. 100% Availability.

EDR sets the standard for mission critical application availability. Advanced technology from E-Net Corporation, the leader in replication and recovery solutions. *For further information, see contact information on our website at [www.enet.com](http://www.enet.com).*

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