



XPRESS Association Database

... the net-worked database

XPRESS is the Association Database by Econnectix that offers high-performance, high-availability, and linearly scalable data storage and retrieval for keys and their associated values. Available as an OEM component, XPRESS provides the core capabilities that modern applications need in telecommunications, security, networking, registry, and storage, to smoothly and cost effectively support any data volume, transaction rate, and client load – *period*. Based on patent-pending technology, XPRESS efficiently supports arbitrary high-availability configurations for both local and geographically distributed systems, and runs on a variety of platforms including both commodity and enterprise-class hardware. XPRESS provides performance, scalability, and replication policies unavailable by other technologies – at substantial cost-savings and reduced TCO.

Benefits

High-performance due to **network optimized** interaction model

Real-time object and **metadata** management of any scale across network

High-availability from real-time **replication**

Virtually unlimited capacity based on efficient clustering technology

Low latency provided by efficient **geographic distribution**

Features

Network Optimized

XPRESS is engineered around optimized networking technology for dynamic, high-performance network interactions to support both current and future performance requirements.

Replication

Rather than forcing application design to work around other technology's poor replication performance, XPRESS replication provides virtually real-time database synchronization on a per record basis.

Clustering

XPRESS clustering technology permits distributed processing and storage across virtually any number of machines, without effecting client accessibility to data and without requiring value-add middleware or special hardware.

Performance

XPRESS provides **multiple orders of magnitude performance improvement** over relational databases and directory services for managing key-value associations.

Persistent Storage

XPRESS provides high-performance disk storage to complement the network interaction model. XPRESS disk storage is fully synchronized with network activity so that crucial performance is matched by crucial persistence for full server recovery.

Recoverability

XPRESS provides super-fast recoverability – in seconds, not minutes.

Query Model

XPRESS provides a query model suited for high volume, network-intensive applications that process small data items. Includes an optimized core of critical database operations for highly efficient queries.

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Security

XPress can integrate with all major security protocols.

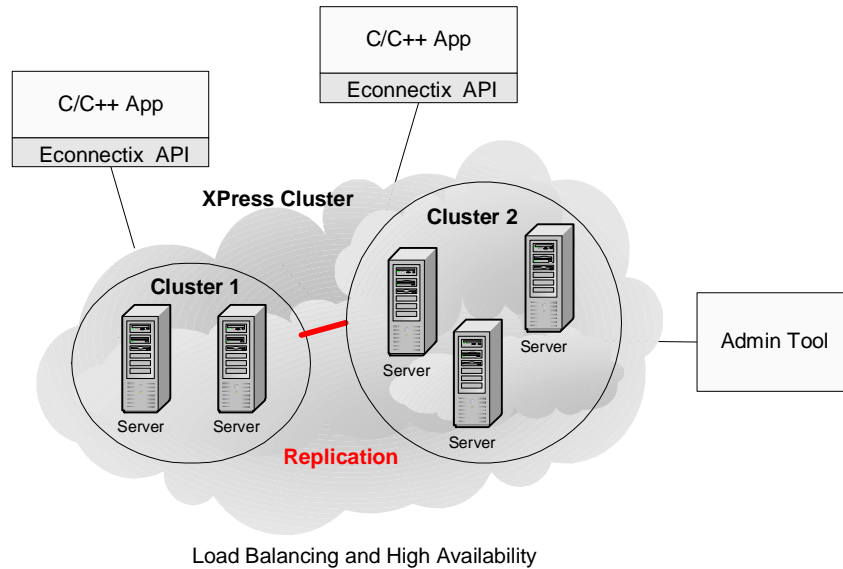
Client Applications

XPress includes a software server ported to common Unix platforms and Java and C client libraries. Pluggable front-ends allow integration with industry standards.

Architecture

The Econnectix XPress Association Database is based on a patent-pending **disk-memory-network synchronization** architecture which provides breakthrough performance, scalability, and availability. With XPress applications can manage key-value associations in distributed systems **at wire speed**. The architecture guarantees:

- Atomic data consistency across memory, disk, and network
- Synchronization of servers at the performance cost of network latency



XPress meets and surpasses data management needs with *real-time response*, regardless of object location: across racks in a machine room, within a cluster on a network, on a LAN, on a WAN, or even in global distribution via the Internet.

Technical Specifics

Operating Systems:

- RedHat Linux 6.2 or better
- Solaris 8
- Window NT and other Unix ports forthcoming

Application Programming Interfaces:

- Java
- C

About

Econnectix provides products to solve data management problems in distributed computing environments. The Company has developed the XPress product line – a suite of data management software for cost-efficient, high-performance, distributed, and scalable data management. The XPress product line includes the generic **XPress Association Database**, **XPress XTN for Telecommunications** (911, Call Routing, Name Management; IM, VoIP, 3G, LBS, E911), **XPress XRN for Registry Services** (DNS, Directory Services), and **XPress XSN for Storage Networks** (CDN, NAS, SAN). The company licenses its technology to infrastructure software and service providers to be integrated into their product and service offerings. Visit Econnectix at www.econnectix.com.

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