



XPress XRN for Registry Services

... the net-worked database

XPress XRN for Registry Services 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 XRN provides the core capabilities that Registry Services need to smoothly and cost effectively support any data volume, transaction rate, and client load – *period*. Based on - patent-pending technology, XPress XRN efficiently supports arbitrary high-availability configurations for both local and geographically distributed systems for low latency delivery, and runs on a variety of platforms including both commodity and enterprise-class hardware. XPress XRN provides performance, scalability, and the fastest replication available – at cost-efficient pricing appropriate for Registry Services.

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** – fastest in industry

Virtually unlimited capacity based on efficient clustering technology

Low latency provided by efficient **geographic distribution**

Features



Network Optimized

XPress XRN 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 XRN replication provides virtually real-time database synchronization on a per record basis.

Clustering

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

Persistent Storage

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

Recoverability

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

Query Model

XPress XRN 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 XRN can integrate with all major security protocols.

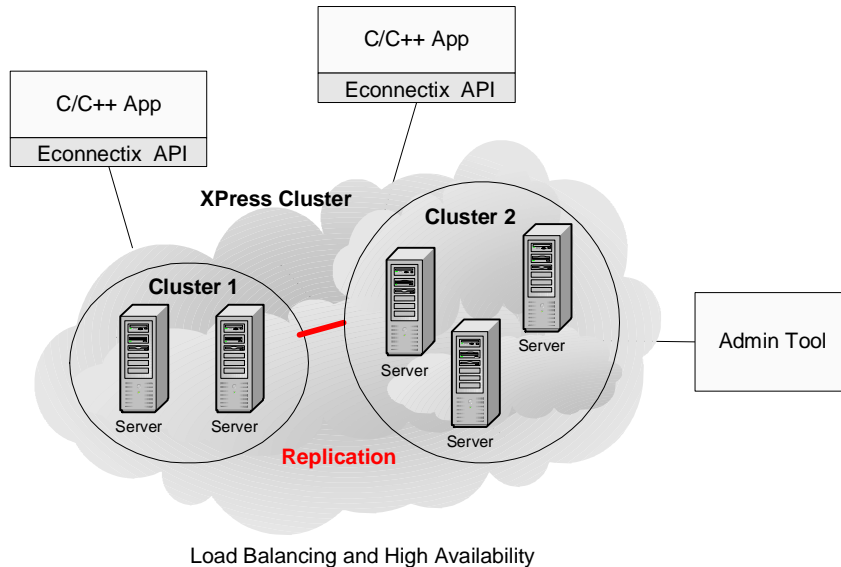
Client Applications

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

Architecture

Econnectix XPress XRN is based on a patent-pending **disk-memory-network synchronization** architecture which provides breakthrough performance, scalability, and availability. With XPress XRN 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 XRN 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 suite of products includes **XPress XRN for Registry Services** (DNS, Directory Services), the generic **XPress Association Database**, **XPress XTN for Telecommunications** (911, Call Routing, Name Management; IM, VoIP, 3G, LBS, E911), 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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