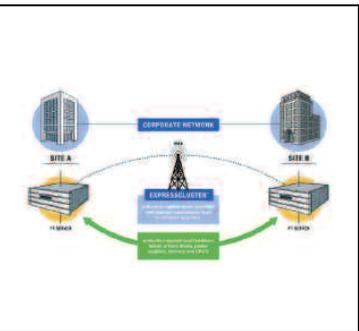


**Secured applications**



**Disaster Recovery plan**



**Unified and simplified management**

## EXPRESSCLUSTER™

- Continuous availability
- Configuration flexibility
- Cost-effective solution

High availability clustering solution for business-critical applications

## EXPRESSCLUSTER™

High availability clustering solution for business-critical applications

Reliable and scalable, the NEC ExpressCluster™ solution secures your critical applications and data.

### ■ IT system availability is crucial for your business

Nowadays, business operation relies primarily on computer systems. Unavailable data or application may result in direct or indirect loss of money. Critical applications high availability is mandatory to ensure the best operation reliability.

### ■ A few minutes only for disaster recovery

NEC ExpressCluster™ efficiently protects data thanks to the shared array clustering configuration, or to data mirroring configuration.

The NEC High Availability technology allows hardware and software protection. With the mirroring configuration, the new data are automatically copied, from the primary server to a standby server, in synchronous or asynchronous mode.

The asynchronous configuration of NEC ExpressCluster™ allows setup a Disaster Recovery plan in case of sinister, between the main site and the backup site.

### ■ Service continuity for critical applications

NEC ExpressCluster™ permanently monitors your servers and applications. Once it detects a server or an application failure, it automatically switches all resources such as services, application processes, shared disk, virtual IP addresses, printing jobs etc. to a standby server, and thus assures seamless work continuity for all users.

### The solutions to match all the needs

#### ■ Synchronous mirroring mode :

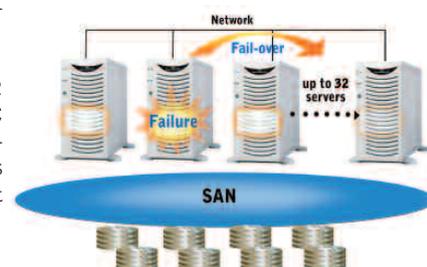
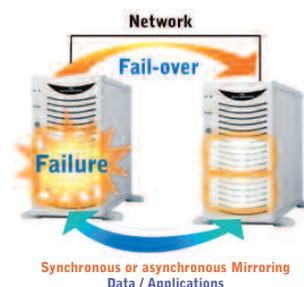
NEC ExpressCluster™ synchronizes in real time the local disks of two servers on the same site (no need for shared disks), permanently monitors the applications. If one fails, the second server takes over. The synchronous mode ensures the mirrored disks have exactly the same data.

#### ■ Asynchronous mirroring mode :

NEC ExpressCluster™ expands the mirroring mode to remote servers. This mode allows setup a disaster recovery plan in case of sinister.

#### ■ Shared array disk mode :

from 2 to 32 servers in shared array disk mode. NEC ExpressCluster™ detects hardware and applications failure. It automatically switches hardware resources to a standby server that have a direct access to the data on the shared array disk.



### Key Features :

#### Supported platforms :

Windows (2000, 2003 Server & Advanced Server) and Enterprise Linux

#### Architecture :

Synchronous or asynchronous mirroring, or shared disk array

#### Flexible Configuration :

From 1 to 3 servers in mirroring mode.  
Up to 32 servers in shared array disk

#### Clustering modes :

Active / Passive or Active / Active

#### Certified applications :

IIS, RightFax, Oracle, SQL, MySQL, DB2, sendmail, Samba, Tuxedo Weblogic, Websphere.

### Key Benefits :

#### Automatic fault detection :

All servers in cluster configuration constantly send heart beat signals to check servers functioning. If a server does not receive a signal from a particular server, it automatically executes a fail-over.

#### Unified and simplified management (Linux and Windows) :

Unique web-based interface. The setup and the management of heterogeneous clusters are easier and simplified.

#### System availability 99,999%

Combined with NEC Fault Tolerant servers, NEC ExpressCluster™ ensures 99,999% availability and reduces the risk of service interruption.