High Availability Software
EXPRESSCLUSTER X

for Windows
for Linux
for Solaris

High availability (HA) clustering software for mission-critical system protection and disaster recovery, achieving No.1 market share for 3 straight years from 2009 in Asia Pacific region*.  

*Sources: June 2012 "Japan System Software 2012-2016 Forecast and 2011 Analysis" (J12310120)
August 2012 "Asia/Pacific (Excluding Japan) Availability and Clustering Software Market Update" (AP2970313U)

HA Clustering System

This system uses multiple servers: active servers and standby servers. When any failure occurs on an active server, the jobs on that server are quickly inherited to a standby server to ensure that jobs continue running with minimum downtime.

The client can continue to access jobs without awareness of the switch.

Benefits

Superior Business Continuity

Business continuity is crucial in today’s increasingly computerized business world. EXPRESSCLUSTER X minimizes the loss of business opportunities during maintenance or disasters.

Real-Time Health Monitoring

The operational status of even large-scale systems made up of multiple clusters can be checked at a glance. Jobs can also be moved to any server by performing simple operations.

Product Overview

More selectable data sharing types

In addition to the typical shared storage methods used for HA clusters, NAS disks or data mirrors can be selected.

Virtual environment support

In addition to the typical shared storage methods used for HA clusters, NAS disks or data mirrors can be selected.

WAN clustering supported for disaster recovery

Naturally, one-on-one clustering is possible between remote locations, but it is now possible for cluster members to share data as well.

EXPRESSCLUSTER X Replicator DR is an optional product.

http://www.nec.com/expresscluster
EXPRESSCLUSTER X

Add-On Options

EXPRESSCLUSTER X Agent
In addition to monitoring to determine whether the various applications in a cluster are alive or dead, the status of the applications including hang-up and abnormal response can be monitored. Five types of agents are available for each supported application.

EXPRESSCLUSTER X Alert Service
Alert email can be sent to the administrator when a failure or failover occurs. In addition, the status of servers can be visually checked anytime through network warning lights.

Support Matrix

<table>
<thead>
<tr>
<th></th>
<th>Windows</th>
<th>Linux</th>
<th>Solaris</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS</td>
<td>Microsoft Windows Server 2012 Standard</td>
<td>Red Hat Enterprise Linux</td>
<td>Solaris11</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Server 2008 R2 Standard/Enterprise</td>
<td>Novell SUSE LINUX Enterprise Server</td>
<td>Solaris10</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Server 2008 Standard/Enterprise</td>
<td>Asianux Server</td>
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<tr>
<td></td>
<td>Microsoft Windows Server 2003 Standard/Enterprise x64 R2</td>
<td>MIRACLE LINUX</td>
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<td></td>
<td>Microsoft Windows Server 2003 Standard/Enterprise x64</td>
<td>TurboLinux Server</td>
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<td></td>
<td></td>
<td>CentOS OS</td>
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<tr>
<td></td>
<td></td>
<td>Oracle Enterprise Linux</td>
<td></td>
</tr>
<tr>
<td>Virtual Environment</td>
<td>Windows Server 2012 Hyper-V, Hyper-V, VMware vSphere, XenServer, KVM, Solaris Container (non-global zone)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Architecture</td>
<td>IA32, x86_64</td>
<td>IA32, x86_64, IBM POWER</td>
<td>x86, x86_64</td>
</tr>
<tr>
<td>Database Agent</td>
<td>DB2, OXBC, Oracle, PostgreSQL, PowerGres, SQL Server</td>
<td>DB2, Oracle, PostgreSQL, PowerGres, MySQL, Sybase, Sybase Adaptive Server Enterprise</td>
<td>Oracle, PostgreSQL, MySQL</td>
</tr>
<tr>
<td>Internet Server Agent</td>
<td>FTP, HTTP, IMAP4, POP3, SMTP</td>
<td>FTP, HTTP, IMAP4, POP3, SMTP</td>
<td>N/A</td>
</tr>
<tr>
<td>Application Server Agent</td>
<td>Tuxedo, WebLogic Server, WebSphere, WebOTX, Oracle Application Server</td>
<td>Tuxedo, WebLogic Server, WebSphere, WebOTX, Oracle Application Server</td>
<td>N/A</td>
</tr>
<tr>
<td>File Server Agent</td>
<td>N/A</td>
<td>Samba, NFS</td>
<td>Samba, NFS</td>
</tr>
</tbody>
</table>

Case Studies

United Corporative Assurance
Saudi Arabia, Insurance
United Cooperative Assurance Company (UCA) is a Saudi Arabia-based public shareholding company engaged in the provision of all classes of insurance and reinsurance business services within the Kingdom of Saudi Arabia. Successful implementation of EXPRESSCLUSTER led to: Productivity of company staff increased by 15%, downtime of the main application reduced by 90%, and users satisfaction rate increased by 20%.

East River Electric Power Cooperative
USA, Electric Power Supply
East River Electric Power Cooperative is a wholesale electric power supplier distributing power to 24 member electric systems throughout eastern South Dakota and western Minnesota. Since the deployment of EXPRESSCLUSTER, East River has not experienced any overall system downtime.

AV Global Corporation Pvt. Ltd.
India, Logistics
AV Global is a leading total logistics solution provider, well known in the industry for its dynamic and result oriented approach. The Logistics system of AV Global equipped with EXPRESSCLUSTER is geared up to take peak workloads without experiencing downtime.

Contact Information
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