



## Application Availability For Windows Environments

### everRun Express Advantages

- Software solution is affordable to own and simple to use
- Automated system requires minimal IT staff to operate
- Provides component level fault tolerant protection for any Windows based workload
- Protects all components in the application infrastructure
- Simple and Affordable Availability
- Completely Automated Fault Management
- Continuous uptime saves IT staff from performing recoveries
- Requires no application modifications or complex scripting
- Unmatched price/performance for application uptime

### Availability Made Simple

When looking at high availability options, most organizations are faced with a set of costly and complex solutions. The market has asked for a simple to implement, cost effective, availability solution, that provides levels of uptime that simply surpass what is available with common clustering technology. Marathon has delivered with everRun MX Express.

### Are You Still Reacting to Failures?

If you're like most organizations, you react to system failures. When a failure occurs systems go down, applications become unavailable to users, business operations stop and IT staff is called upon to perform a recovery. This downtime can have a huge impact on sales, mission critical operations, employee productivity, and client satisfaction. Nevertheless, you settle for downtime in the event of a failure because you really have had no choice. Automating the handling of routine faults such as network and disk failures, while providing the ability to compute through these failures is at the heart of the MX technology. Unlike traditional clustering technology, MX Express does not respond to a failure by restarting a virtual instance or application, it simply computes around the failed component.

### Are your applications Fault Proof?

When planning the deployment of a mission critical application, availability must be part of the conversation. Evaluating an availability platform you need to consider the impact that failures will

have on the application and users. Traditional replication solution will protect your application, however will respond to failures in a way that will cause user disruption. These solutions will respond to component level failures with a complete application restart on another physical machine in the "cluster". This will impact users by creating blackout windows where the application will not be available and transactions in flight will be at risk. MX Express has been designed to compute through these component failures, avoiding blackouts, maintaining user connectivity, and protecting transactions in flight.

### How everRun MX Express Works

everRun MX Express combines the power of two physical servers to create a fault tolerant platform on which you can run your mission critical applications. By monitoring the Networking and Disk Subsystems, everRun MX Express can stand between your application and a component level failure. This proactive stance allows your application to compute through these failures. everRun MX Express does this without needing shared storage (although it is supported) and gives you the ability to build a redundant system without the costs associated with the typical cluster environment. By avoiding the need to "Fail-Over" based on a basic hardware fault, your application will realize greater uptime. and your IT staff will be able to deliver a high level of service around your organizations mission critical applications.

# everRun<sup>®</sup> MX Express

## Key Features

### Full Fault Tolerance

everRun MX Express handles network, and disk I/O failures without IT intervention and with zero downtime. Self-healing operations do not require specialized skills.

### Symmetric Multiprocessor and Multi-core / Support

everRun MX Express supports all Windows applications including applications that require symmetric multi-processor / multi-core support, to meet an organization's growing technology and user requirements.

### No Scripting Required

everRun MX Express will protect any windows based application without modification or scripting. The application does not need to be "Cluster Aware" or does it require any windows based modifications. Simply install the Windows platform of your choice, install your application, and you are protected.

### ComputeThru™ Technology

Marathon's patented ComputeThru technology guarantees application availability by ensuring proactive recovery readiness through redundant systems and availability monitoring to create a single "always-on" application instance. everRun MX Express software operates with complete IO and Disk redundancy providing automated fault management in the event of a component failure, allowing the system computes through without downtime.

### Software Solution

everRun MX Express is a software-only solution that is easy to deploy and use, for organizations with limited IT resources. It does not need application modifications or

scripting to deploy, and runs on commodity, off-the-shelf x86 hardware platforms.

### Automated Solution

An automated solution, everRun MX Express enables hands-off operation, which is ideal for organizations with minimal IT staff. everRun MX Express synchronizes, monitors, corrects and repairs problems in all components within the application environment to prevent downtime. By standing between your application and any potential hardware fault, MX Express will make sure faults are worked around with zero impact to your Windows environment and your application.

### Geographical Protection

Combining everRun MX Express with SplitSite you can now protect your application geographically by separating the physical servers by up to 100 miles. This option is perfect for campus types of implementations where you want to spread the risk across two physical data centers.

### Holistic

everRun MX Express protects all components in the application infrastructure, including servers, all Windows applications, off-the-shelf storage and the network both locally and SAN Based. This eliminates the need for multiple point solutions for availability, for easier administration and significant cost savings.

### Uses Off-the-shelf Storage

everRun MX Express is completely hardware agnostic, allowing you to leverage any off-the-shelf storage (Direct attached or SAN) solution to help save money while providing the flexibility to scale your environment as it grows.

### The right response to a failure

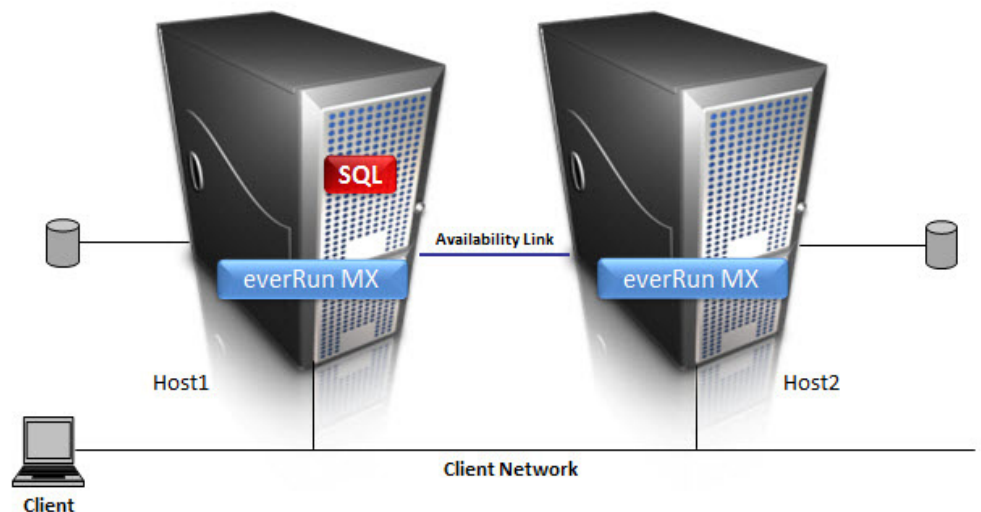
everRun MX Express provides a proportionate response to a hardware fault. Your Application should not experience a disruption based on a server component failure. MX Express will ensure your application computes through these events with no loss of end user connection, risk of data corruption, or loss of transactions in flight.

### Learn More

Application Availability with everRun MX Express gives organizations with limited IT resources an automated solution to keep applications available during failures to ensure continuous business operations. Organizations no longer need to settle for downtime, and can achieve the highest level of availability in a simple, highly affordable solution. Contact Marathon today to learn more.

### everRun MX Express Suggested Configuration

- A pair of standard x86 Intel Servers (Local Operating Environment)
- Minimum 4GB of RAM or more recommended
- Intel VT Enabled CPU Chipset
- Local or SAN storage (Fiber Channel or iSCSI)
- 4 x 1GB Network Ports
- Supported Guest OS Include
  - Windows Server 2003 SP2 (32 & 64 Bit)
  - Windows Server 2008 and 2008 R2



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