



**TEAM 1  
SYSTEMS**

**NEC**

NEC Solutions (America), Inc.

## **Express5800/320L Fault Tolerant Server FAQ**

### **1. What is a Fault Tolerant Server?**

A Fault Tolerant Server is designed with redundant hardware components inside a single server. The server is architected so that if the server experiences any hardware component failure, your applications will continue to run and will maintain your data's integrity.

### **2. What is the benefit of a Fault Tolerant server?**

A Fault Tolerant server gives the end-user a High Availability hardware platform without having to deal with the complexity of having to put together a multiple-server cluster.

### **3. Does this require special software?**

No, despite the fact that there are literally 2 physical servers inside of the system, both 'sides' of the server run in what is called Lock-Step. The operating system only 'sees' a single, logical server. Therefore your applications do not have to be "cluster aware" or the Enterprise version for you to have a Highly Available solution.

### **4. How does NEC define "High Availability"?**

A Highly Available server is rated at 5 "nines" or 99.999% uptime. This translates to less than 5 minutes of unplanned downtime a year. A server with redundant power with a RAID 5 is 99.5% or 8hrs and 45 minutes per year.

**5. Do I have to bring my system down if I experience a hardware failure?**

**No, the server is modular in design. In addition, all of The modules (both I/O and CPU modules) are hot swappable.**

**6. What do my users experience in the event of a hardware failure?**

**Nothing. The server will continue to run at full performance, even in the event of a CPU failure.**

**7. What happens to my data if there is a hardware failure?**

**Nothing. You can loose up to 3 hard drives AT THE SAME TIME and you will not experience any data loss.**

**8. This sounds expensive, how much does this cost?**

**This product is positioned to compete against traditional software-based clusters.**