SIEMENS

SiPass Server Redundancy

- ● **Reduction in system downtime**
- ● **Hardware independence**
- ● **Co-standby™**

Co-standby™ with SiPass is a software solution that's priced to return your investment the first time a server failure occurs.

In enterprises that demand the highest possible availability to ensure their security operations are maximized, server redundancy provides the ideal solution.

Co-standby enables two fully functioning Windows servers to act as spares for one another in the case of failure. If a complete server failover is necessary, the SiPass server application, data, shares and users from the failed server will be automatically available on the mirrored server.

The server redundancy option also provides the perfect environment for system maintenance, simply swap operations to the secondary server and then carry out the required repairs, minimizing system downtime.

Fire & Security Products

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Features

- Bi-directional failover
- Automatic failover detection
- Reduction in system downtime
- Uses advanced mirroring technology
- Mirroring ensures high data recovery
- Hardware independence
- RAID compatible
- No additional SiPass licensing requirements

Benefits

The advanced mirroring engine assures high availability of all critical resources - data, applications, shares, IP addresses and printers. This block-based mirroring technology operates on individual I/O requests at the device driver level. This keeps data synchronized between the clustered servers without sharing a single point of failure. Mirrored SiPass data ensures recovery is possible since the state of the data is known at all times. Mirroring traffic uses a separate, dedicated inter-server link, saving your LAN bandwidth for applications, messaging, and file sharing.

Co-standby allows administrators to move resources between clustered servers using an easy drag-and-drop interface. Routine server maintenance takes place without losing network productivity.

Specifications

Main Server and Redundant Server

PC	As per Microsoft Hardware Compatibility List (HCL)
	Refer to the SiPass data sheet for any additional system requirements for SiPass. Note: 256MB RAM
Operating System	Windows 2000 Server (SP3)
Network Card 1	Standard LAN connection (and to other client machines) Required: 3COM 3905B
Network Card 2	Dedicated link to redundant server - 100 Mbps or higher - TCP/IP use only - Dedicated subnet Required: 3COM 3B905C
Hard Drive 1	For O/S files and co-standby software
Hard Drive 2	For SiPass and SQL server software

It is recommended that for full fail over functionality, printers be configured on a PC other than either of the redundant servers.

SiPass

No additional SiPass software or licences required. The same version needs to be installed on the two servers.

SQL Server

No additional licences for SQL Server are required for redundancy purposes other than the copy used with SiPass.

Windows 2000

Two licensed copies of Windows 2000 Server are required - one for the Main Server and the other for the Redundant Server.

Installation & Configuration

The configuration and setup of the redundant system is a highly complex and meticulous process. For assistance, it is recommended that you contact your local support representative.

Effect on End Users

Cardholders using the system will not notice when a failover occurs and operators will automatically be logged out of the system to ensure data integrity during the brief failover period.
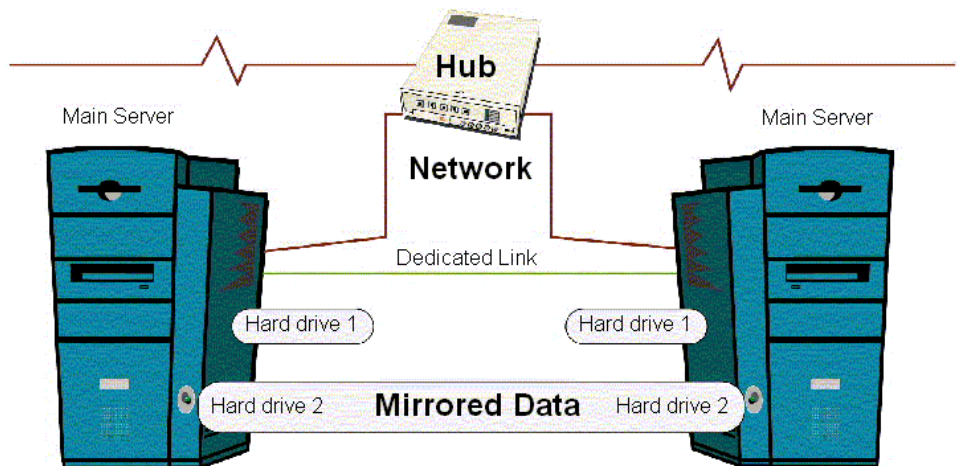
Please Note Server Redundancy monitors the following conditions:
➔ Server failover due to loss of power
➔ Server shutdown due to internal failure
➔ Data hard disk failure
➔ Network card failure

System Requirements

One of the following core packages is required:

Part no	Designation
6FL7820-8AA10	SiPass Standard Edition
6FL7820-8AA20	SiPass Optima

Details for ordering

Part no	Designation
6FL7820-8AE25	SiPass Server Redundancy