

## Server Hot-Standby

### **Minimize risks**

*High availability for your system's reliability*

### **Backup round the clock**

*Always have a current copy of your database*

### **Mixed doubles**

*Independant server functions as online backup system*

### **Instant switchover**

*Secondary server immediately takes over the role of primary server*

### **Maintenance without shutdown**

*Keep your system running while maintaining it*

### **No need to buy new servers**

*Your old servers will do the job perfectly*

### **Simply secure**

*Use standard hardware*

### **Redundance without waste**

*Secondary server can perform additional tasks*



### CONZEPT 16-Server Hot-Standby

In client/server systems, a high degree of availability and reliability is becoming increasingly important, not only in e-commerce applications. Even a short-timed failure may result in enormous financial losses.

The CONZEPT 16-Server Hot-Standby is a hardware-independant solution designed for high availability. It is a safety concept based on two interconnected servers. The CONZEPT 16-Server's Hot-Standby option uses a second server as automatic backup system in case of a breakdown of the primary server. Most of the load of everyday work is carried by the primary server, while the secondary server hosts a copy of the database.

The CONZEPT 16-Hot-Standby software automatically transfers all database operations from the primary server to the backup system. All what you need for interconnection of both servers is a fast direct connection via network cards (Gigabit-Ethernet or similar).

#### Increase availability - avoid losses caused by server breakdown

The user benefits largely from the fact that a copy of the database in its current state is available at any given time. In case the primary server goes down, there is always an up-to-date backup. Short intervals between backups guarantee that there is always a current copy of the database available. In case of failure, there is only a minimum of delay, if any, while the clients automatically switch from the primary to the secondary server. An additional benefit for the user lies in the fact that the secondary server can accept the role of the primary server during maintenance operations.

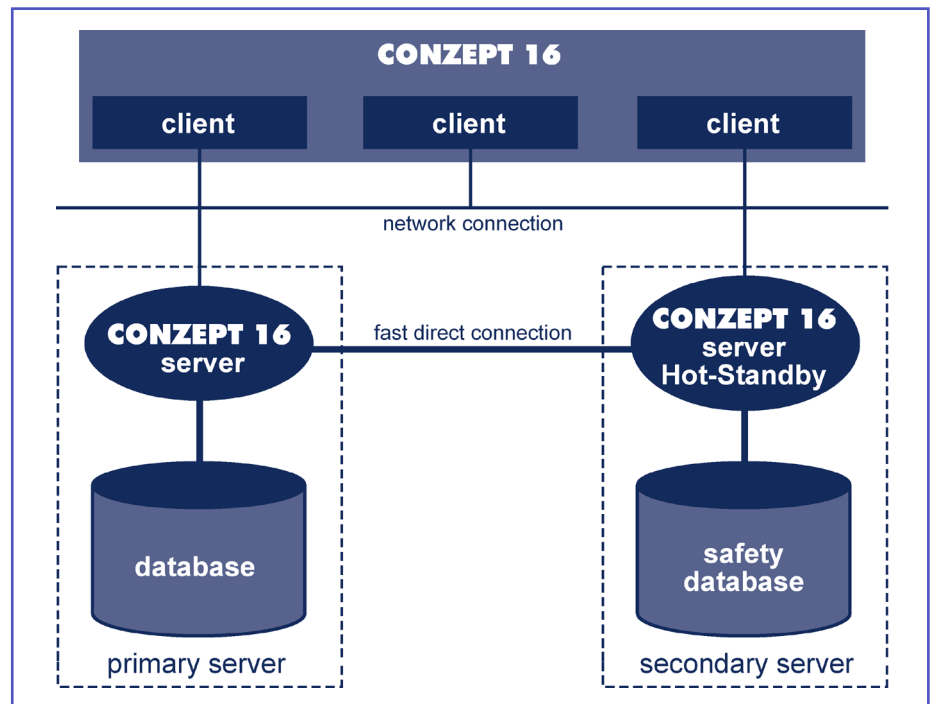
As estimated by IBM, the average availability of windows systems without high availability solutions is below 98 percent. Failures result in considerable costs for most enterprises. And as the demand for round the clock online-services increases continually, so do the costs caused by server breakdowns. The CONZEPT 16-Server's Hot-Standby option will increase an application's availability considerably.

#### Standard components for low hardware costs

While other systems require special hardware, this is not the case with the CONZEPT 16-Server Hot-Standby. The Hot-Standby option can be used with standard hardware. Neither must the database servers be identical. In case of a failure of the primary server, a less powerful secondary server will only briefly affect the performance of the entire system. It is also possible to

use mixed server systems with different operating systems (Windows XP on the primary system and Linux on the secondary system or Windows 7 on the primary system and Windows 2000 on the secondary system, for example). In everyday work, the secondary server can take over additional tasks, e.g. as job server.

The CONZEPT 16 Hot-Standby-System uses two entirely independant computers. This helps to increase the security of the system in comparison to clustered solutions, where a failure of the common storage system would result in a failure of all servers of the cluster. Since standard hardware is used, there is only a small amount of time required for installation and administration. The Hot-Standby software ensures that primary and secondary server can be maintained easily, automatically restoring the integrity of both databases afterwards.



Using standard hardware, the CONZEPT 16-Server Hot-Standby offers minimized risk of failure and provides allways latest backup

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