

TPS File Server/NAS Clustering

An innovative file server and NAS solution for Linux that supports real time file backup and recovery

All files' updates are automatically backed up in real time to local or remote locations.

If the primary server fails, file access from window and NFS client is automatically switched to the secondary file server without disruption in service.

Key Benefits

Allows real time file backup and minimizes file losses

Supports heterogeneous server and storage environment

Provides high-availability file services with minimal business disruption

Simplifies system management and lowers IT costs

Most cost-effective high availability solution available

Product Features

TPS File server and NAS clustering is built on TPS Replication Plus. It includes features such as

Real Time File Backup:

Changes on files are mirrored to one or more other locations.

Multiple Location Support:

Files can be backed up to multiple locations.

Open Source Heartbeat with Auto-Failover:

File access service is automatically switched to the secondary file server when the primary file server fails.

File and file system Integrity and Consistency Check:

Every file and filesystem operation are checked by the file system (NFS or CIFS) on the file server to ensure the file integrity and consistency.

Total Solution

Hardware: Two X86 systems with 1G memory and 100G+ disk space

Software:

Red Hat Enterprise Linux version 4

Twin Peaks Software Replication Plus for Linux

Open Source Heartbeat high availability software package

Architecture:

Primary File server and NAS : Red Hat Enterprise Linux version 4

Secondary File server and NAS: Any Linux or Unix system that supports NFS v2, NFS v3

Configuration: Two File servers configured as an active-passive pair

File System Support:

Primary File server : EXT3, NFS v2, NFS v3

Secondary File server: Any file system on a server or NAS box that can export through NFS v2 or v3 protocol

File System Size: Replication servers can have different file system sizes with no set limit

Storage Requirement: Any disk or storage, e.g. RAID, JBOD

Network Connection:

LAN: 10M, 100M, 1G Ethernet

SAN: Fiber Channel

WAN: T3 or higher

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