



FTH dBank Overview

File Transaction Hub (FTH) is a service provided to users who need to manage and distribute files in a controlled, secure and reliable manner while using a user-friendly application.

FTH positions itself in the market as a corporate alternative to less effective application technologies that also move files over the internet, such as email (attachments) and FTP servers and clients. Being able to provide a digital file in a timely manner is more often than not a mission-critical process for corporations. FTH must achieve the same level of availability as the every day email server for users to be able to access and distribute data 365 days a year, 24 hours a day, anywhere in the world. Even if the corporate mail server is not available, users can use FTH to access and distribute files.

Data center availability for FTH is 24 x 7 x 365, or 100 percent availability. The percentage of uptime data centers should strive for is some variation of 99.x percent—with an ultimate goal of five nines, or 99.999 percent. You can achieve availability to

99.93 percent by reducing scheduled downtime to 30 minutes a month, or 6 hours a year. However, in an FTH environment where 1000's of customers are supported from a common computer cluster, even minimal downtime may be unacceptable. Four nines (99.99 percent) are achievable by using fault resilient clusters with automatic failover. Five nines are achievable using advanced fault tolerant computers for production purposes only where database backups, health checks, and other tasks are performed on secondary servers that have copies of the same data.

All enterprise level operating system platforms offer some form of clustering services. The FTH application is a Microsoft based application and Microsoft offers enterprise level clustering services based on its Windows 2000 Server platform. Cluster services are available by deploying

the Windows 2000 or 2003 Advanced Server and Datacenter Server operating systems. FTH servers configured with one of these operating systems are deployed in data centers to provide failover support to the FTH back-end applications and services that require high availability and data integrity. These back-end applications include enterprise applications such database, file server, web server and messaging systems that are all used by the File Transaction Hub.