



Software Architecture

File Transaction Hub (FTH) is Rumble's trusted file distribution technology currently built entirely on the Microsoft Windows platform. FTH is deployed in an application service provider (ASP) model in large datacenters that can provide hardware and services to guarantee over 99.93% uptime, that is, less than 6 hours a year downtime. At the core foundation layer, FTH is an application with digital asset management properties where files are stored on a local or mounted file system and descriptive information about the files is stored in a database. The web application interface provides a presentation layer that serves the file and the descriptive information to users as a single entity.

Beyond this core foundation, FTH stores and processes other information in the database to create business intelligence (BI) based on recorded user and file transactions. This recorded information is then used to produce any type of audit report that may be required by a customer to provide a competitive edge by tracking and controlling information movement.

Once the data files are stored in FTH in an organized and easy to find way, FTH provides a powerful file distribution interface for the distribution of files. The distribution subsystem within FTH gives

users a convenient and secure alternative for distributing files without having to do so using email attachments or using FTP applications.

FTH employs a host of Active Server Pages (ASP) with embedded Visual Basic scripting, JavaScript scripting and HTML code to manage the web based application user interface. The Active Server Pages are responsible for uploading and downloading files to the server storage using third party application components that use http to transfer the data over the Internet. To complete the file transactions the Active Server Pages make calls to the database using ADO (ActiveX Data Objects) to control the database data that is stored in the Microsoft SQL Server 2000 database. As mentioned before, the database is a key component of FTH that stores information about distributions, users, categories, files, folders, notifications, site configuration, and audit.

FTH also uses backend processes that are processed by COM objects for user authentication and file purge management.

