Synopsis

File Server Synchronization System

Members: (Batch B6)

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# Overview

F.S.S.S overcomes the problem of manually updating the file server of any organization. We plan to use SMB Client module of python to access a remote Samba Server. This system will not only sync .txt files, but we will extend this system to work with other extension files such as pdf,ppt,doc,images etc. This system’s capability will also enable the user to upload his files in a remote registered directory. The time interval of automatic synchronization can be set by the user.

# Goals

1. Auto Sync. of a remote Samba server. Demonstration will be done by synchronizing fileserver2.pdc.jiit.
2. Enable user to upload files present on his local machine to his directory on the remote server and vice-versa conveniently.
3. Secure transmission of files
4. Appropriate security measures for safe upload and download of files.

# 

# Technologies to be used:

1. Python 2.7
2. SMB Client module to access Samba Server
3. Tkinter module for GUI
4. SSH for security issues.

# Specifications

1. Authentication of the user is done through his credentials.
2. Sync.(both upload and download) of directories automatically after an interval which can be specified by the user.
3. This system allows user to download only those files which he/she wants ignoring the rest.
4. The GUI will be built using Tkinter module of python.
5. Directories to be synched will be specified by the user.
6. Notification about the updation of the local directory using system() function.