

Enhanced File Download from FTP Server

Mrs B Chitra¹ , Pradosh Patnayak²

¹ Dept. of Mathematics & Computer Science, University College of Science,
Osmania University, Hyderabad, India

²Head Dept. of Computer Science, Arora PG college Ramantapur, Hyderabad, India

Abstract: This Paper is about a rich web design which enhances the mechanism of file download from FTP server. The basic function of this system is to make the ordered documents online to the registered customers and download the file. Documents are updated as and when the orders are fulfilled and the customer can view them and download the same. There is a expiry date set to the file for 15 days. Customers will have to use their permanent user-id and password and connect to the server in which the files pertaining to the order are present.

Keywords : FTP, Secure, Download, RIA, Direct Connection

I. INTRODUCTION

The web has become the preferred platform for conducting business quickly and effectively. Whenever any file is downloaded from web the application is not rich. More over the FTP server which allows downloading the file is indirect and mostly unsecured.

To make it directed and dedicated download to customers in a secure manner the article discusses about a web application which is rich and secured to the customers who prefer to download an ordered file from a list of files. Mainly the development is made with adobe flex provides not only Rich user interface but also High Responsiveness and interactivity.

II. OBJECTIVES & METHODOLOGY

1. Download the file in direct and dedicated manner to the customers.
2. Provide a Rich User Interface to the customers.
3. High Security provided while file is transferred from one end to other.

Methodology

The present study focuses on the secondary sources of data from Books, Journals, Articles, and interviews with eminent personalities from various departments of the University.

III. EXISTING SYSTEMS

FTP was created with the overall goal of allowing indirect use of computers on a network, by making it easy for users to move files from one place to another. Like most TCP/IP protocols, it is based on a client/server model, with an FTP client on a user machine creating a connection to an FTP server to send and retrieve files to and from the server. The main objectives of FTP were to make file transfer simple, and to shield the user from implementation details of how the files are actually moved from one place to another. To this end, FTP is designed to automatically deal with many of the issues that can potentially arise due to format differences in files stored on differing systems.

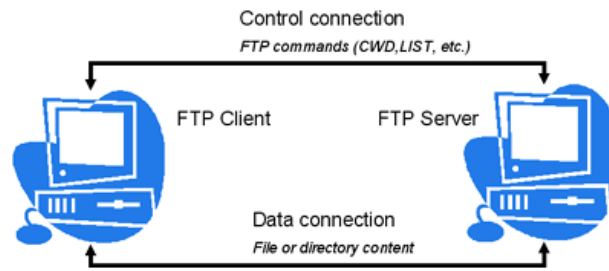


Figure 1 : FTP Process Model

After a TCP connection is established, an FTP control connection is created. Internal FTP commands are passed over this logical connection based on formatting rules established by the Telnet protocol. Each command sent by the client receives a reply from the server to indicate whether it succeeded or failed. A data connection is established for each individual data transfer to be performed. FTP supports either normal or passive data connections, allowing either the server or client to initiate the data connection. Multiple data types and file types are supported to allow flexibility for various types of transfers.

Problems in Existing System

1. Lack Of Rich Internet Application
2. No direct connections to FTP server as most of the connection are indirect.
3. Web Pages Less Responsive and Interactive.
4. Lack of security to dedicated Customers.

IV. PROPOSED SYSTEM

The proposed system is a Rich Web design in which a consumer has to get registered to the web site. Then can order a file for download. The order will received and checked for availability in the ordered list. If it is present then through a direct FTP connection the consumer can download the file. The file may be readily available for the consumer, the Website administrator will take it as a request and will keep the file for download when the file is available to him. The file will be kept in an ordered list and the user would have 15 days' time to download it otherwise the link would be removed

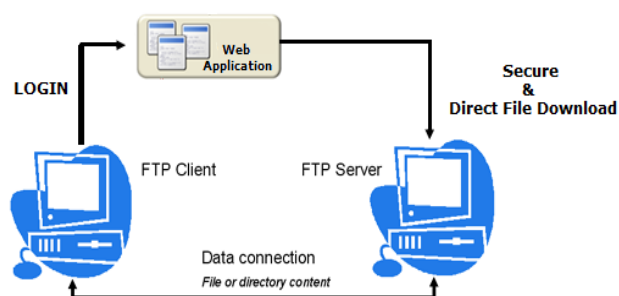


Figure 2: Enhanced File Down Load System

Enhanced Features

1. Highly responsive and Interactive
2. RIA is applied
3. Dedicated to a particular Customer with authentication
4. Direct Communication through FTP

Application Work flow

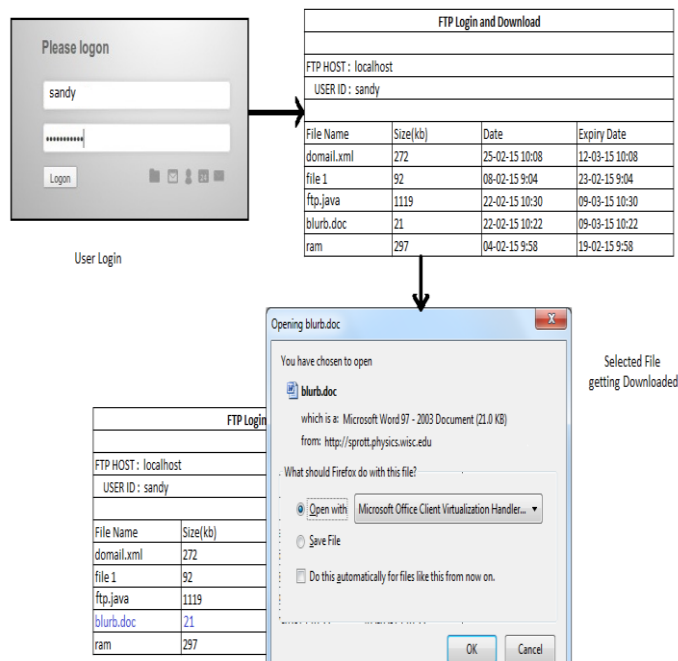


Figure 3: Process Flow of the Proposed System

V. CONCLUSION

This paper mainly focuses on the security and direct connection to the FTP server for a client. Individual clients are valued and their requirement is taken into consideration. In order to test a RIA application was built with Adobe Flex. We found that the application was working fine as designed. The most highlighting fact was that the connection was dedicated to individual clients and their requirement was fulfilled with proper authentication.

REFERENCES

- [1] Sang Oh, Spencer Kam, Atsuya Takagi <http://www.csun.edu/~jeffw/Semesters/2006Fall/COMP429/ Presentations/Ch25-FTP.pdf>
- [2] Vern Paxson, http://www.eecs.berkeley.edu/~jortiz/courses/ee122/discussion/FTP_discussion_6up.pdf
- [3] Peter R. Egli, http://www.indigoo.com/dox/itdp/07_FTP-TFTP/FTP.pdf
- [4] Office of Academic Computing Services, http://www.oacs.umd.edu/Guide_to_FTP.pdf
- [5] Linaje, Comai, Sánchez-Figueroa, webml.org/webml/upload/ent5/1/Comai_Preciado_WSE07.pdf [6] Marianne Busch and Nora Koch, http://uwe.pst.ifi.lmu.de/publications/maewa_rias_report.pdf

