File Navigating System in the Cloud

Mr. K.Sravan [(1)]
Student (M.Tech.)

CSE Department
BVRIT, Vishnupur, Narsapur.

Mrs. CH. RajyaLakshmi [(2)]
Assistant Professor
CSE Department
BVRIT, Vishnupur, Narsapur.

Abstract

The File Navigating System in the Cloud is the state of the art type of the web application which is integrated with the open framework which runs in the cloud environment system, It is the open source and the standalone web oriented application to complete the management of your files and folders which is indexed in the webserver to enable the navigating functionality by placing the robots text into the webserver, It will search the files and folders in no time. It also provides the powerful, reliable to manage and the easy web file management with more security by enabling the 256-bit SSL (Secure Socket Layer), integrates with a lots of features to make the easy installation and to configure that user can administrate and manage his files and folders on the system, it is as easy as to access and manage everything in hard drive and it gives the fastest access with the strong security in all over the inter-network.

1. Introduction

The File navigation integrates with the Django applications, django cloud servers, d django cloud browsers, to the PyPi. The Cloud Browser is very simple that the web based file browsing for the cloud oriented data stores, which is also so far that also includes the various file navigation systems into Cloud Files by including the OpenStack and the local file system. This application can also expose the read only file navigating cloud files to the cloud users or the file navigating system administrators with the configurations for the both normal and the administrative deployments with previleges.

At the work, we have some containers in the file navigating with the very large numbers of objects placed in the webserver, Over the 1 million and the countings.

While the objects ultimately having the names with in a flat namespace of the navigator, which we divide up the namespace with the slashes in the code (e.g., "path/xyz/cloudz/objectx/file.txt"). It is nearly all the cloud providers accepts and supports the enhanced file navigating system, it also includes the functionality in the object of Web APIs to get the return results grouped into around hierarchical and is implied or the pseudofied, and the file navigating directory objects based on the separator like slashes.

2. Requirements

Despite of the file navigating system the REST and the Python APIs are both support the implying active directories from the delimiter such as slashs, file navigator own management console will only display that the other objects may be using it completely for the flat namespace in file navigating system. As example, having the old side file navigating project where it stored patent data into the XML form in both the file navigating systems.

Table: 1 Requirements

Operating System : Linux OS or Standalone Windows OS	
Processor : 2.0 GHZ Quad Core	
RAM : Minimum 2GB RAM (1GB is Recommended)	
Internal Storage : Minimum 5 GB Internal storage (15GB Recommended for high priority file indexing)	
Web Browser : File Navigator supports all the Web Browsers	
Connectivity : Internet connection with minimum 1Mbps	
Database Server : MySQL Server 5.2	
Languages : PHP & HTML Languages used for developing file navigating system	
Webserver : IIS or Apache Tomcat	
Directory Services : LDA Directory Service	
Index : File indexing Manager	

3. Navigation Testing

The file navigator web application was tested on Windows 8 and the several Linux distributions such as RHEL 5, Debian, Cent OS, and Fedora etc. with all the PHP versions, it has the conditions that would like to recommend to set it up.

Beside from that, it also has been manually tested and auto tested with PHP 5.1.3.

The local web server hosting environment recommends the Apache web servers by making some tests that have been made with the IIS servers and Apache Servers.

In addition to the MySQL 6.0 database is required for the proper work with the file navigator and the directory indexation system.

In the order to get all the full functionality of the file navigating system that enables the ZLIB libraries which is installed to modify the images and to manage the compressed files and compression system.
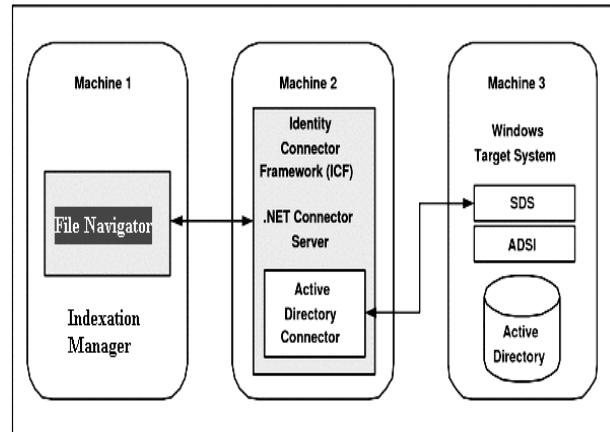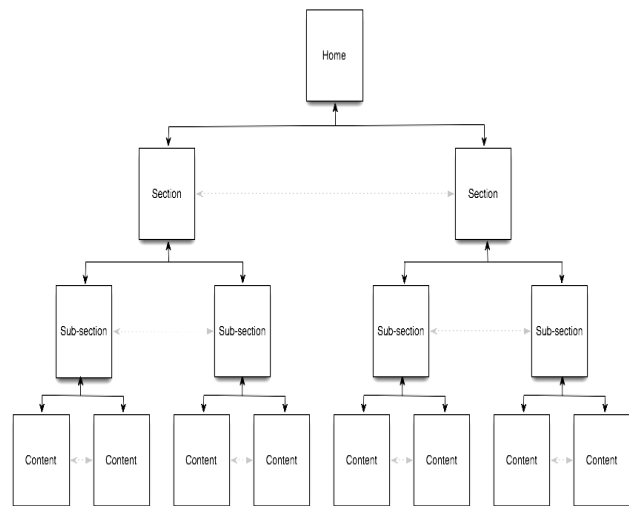
4. Architecture

Figure: 1 Architecture: File Navigator with Indexation Manager

Figure: 2 Architecture: File Navigator with Indexation Manager

- **The Generic Data**

1. **The Language:** Multi Language is used during the installation process while using the file Navigator.
2. **The GD2 Lib:** The GD2 integrated libraries are enabled the image treatment.

3. **The ZLIB:** If the ZLIB Integrated libraries which are enabled for the file compression system.

4. **The Charset:** It depends on the multi-location and then choose the correct one for the right visualization of the system characters.

- **Easy to Install**

   The users will be able to install file navigator with the minimalist that has an approach in the admin interface.
   The list of files and indexations can be done and the automated system will install the open source file navigator package.

- **Robust Indexing Management in Cloud**

   The managers and admins can delegate the file navigator system management duties to the any number of the current members of the file navigating system through the user group permissions of the files and indexes.

5. File Navigator MySQL Connection Data in Cloud

1. **The Host:** The name of the host server of the database that is local host.

2. **Database Name:** The database name which is need to be created.

3. **Database User:** The users with multi access to the database and will have the rights to create the database and modify the database tables.

4. **Database Password:** The password for the database user
   Database Prefix: The prefix for the tables index (e.g., _prefix)

- **File Navigator Administrator Data**

1. **Admin Name:** Administrator user's full name.

2. **Admin User:** User name with the access for integrated applications.

3. **Admin Password:** Password for file navigator application administrator.

4. **Admin Repeat the Password:** Repeats the file navigator password to overcome the errors.

5. **Admin E-mail:** The email of the file navigator administrator for sending the alerts.

- **Main Root Data – Cloud root**

1. **Root Name:** The name of the root directory that will be used by root user for the main root. It can be something like the System Roots and the root docs in the system.

2. **The Absolute Path:** The file navigator absolute path will look like the main root docs and the directory. You may use the"/" instead of "\"" Example: /varx/htdocs/htm/documents1/

3. **The Web Path:** The true path of the web site or portal. For example: /docs/

4. **The Host:** The host system is associated with full qualified domain to point the path. If we are on current web server that manages the different fully qualified domains, it will also allow users to associate the individual path to the different domain.

6. Conclusion

The File Navigating System in the Cloud is the open source file navigating and searching system with a pre-installed high index Manager which cannot limit the file types to upload to the cloud server as it runs on cloud servers. This also control can the index be done in the cloud for different kinds of actions such as from uploading the files or remote addresses for renaming file extraction of the different file systems.

File Navigating System in the Cloud offers a complete administration and file navigating solution to the enterprise and the end users that

for almost every possible aspects in different organizations, institutions and companies etc.

We here by conclude that file Navigating System in the Cloud concept is clearly based on file navigating system which runs on cloud web servers and is easily installable, configurable and manageable. File Navigating System in the Cloud will be used for many companies, organizations, colleges, schools, other non-profit organizations and institutions. File Navigating System in the Cloud is highly scalable and excellent file searching system or navigating system.

References

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