README - Distributed Systems Project

From the 7 available options:

* Distributed Transparent File Access(Mandatory)
* Security Service
* Directory Service
* Replication
* Caching
* Transactions
* Lock Service

The following features were incorporated into the distributed file system for this project:

* Distributed Transparent File Access(Mandatory)
* Directory Service
* Replication
* Caching
* Lock Service

A batch file called ‘StartProject.bat’ has been created to start up all the necessary servers for this project in one simple click. This contains a list of commands to open all the servers in separate command windows. Each new command window is labelled for identification purposes and runs on the local machine.

The two main commands that are offered for a given client are: Read & Write. These are the main operations carried out by most clients of basic file systems.

For example:

To Read

In order to Read a file from the database, the client must type: read=<filename>

Where the <filename> describes the name of the file they want to read (e.g. ‘test.txt’).

To Write

In order to Write a file to the database, the client must type: write=<filename>

Where the <filename> describes the name of the file they want to write (e.g. ‘test.txt’).

This simple message protocol is defined in general terms as: <command>=<filename>.