# Distributed File System Group 2 Phase 1

Software Requirements Specification

Revision History

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| **Date** | **Revision** | **Description** | **Author** |
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# Purpose

This document outlines the requirements for the Distributed File System (DFS).

## Scope

This document will catalog the user, system, and hardware requirements for the DFS system. It will not, however, document how these requirements will be implemented.

The system will be comprised of a server service running on a central hub and client software running on endpoints. The files will be stored on endpoints.

Users will be authenticated to the system itself, and users will be created manually. Only two roles will be in scope user and admin.

## Definitions, Acronyms, Abbreviations

DFS – Distributed File System

Server – A central service that

## References

## Overview

# Overall Description

## Product Perspective

The distributed file system is a cloud adjacent method of peer-server-peer file storage. It is a system used to self-contain company wide data; retaining data in house ensures privacy and security needs are met.

## Product Architecture

The system will be organized into 3 major modules: the server module, the client module, and the persistence module.

## Product Functionality/Features

Users log in to the distributed file system via username/password combination. Users view a list of files stored within system and can access any available file and/or upload new files. Interactions between user, system and files are logged. (see section 3 of this document for more detailed requirements that address these features):

## Constraints

Location of files will be unknown to the user. Files uploaded by a given user will be stored in an unknown, separate, arbitrary location(s) within the company.

## Assumptions and Dependencies

It is assumed that company hardware is standardized; all users will run identical operating systems on corresponding hardware.

The system will not keep additional backup copies of files other then what is listed in the requirements and/or use case specifications.

It is ok to store user credentials on the server

# Specific Requirements

## Functional Requirements

### Common Requirements:

### \_\_\_\_\_ Module Requirements::

### \_\_\_\_\_ Module Requirements:

### \_\_\_\_\_ Module Requirements:

## External Interface Requirements

## Internal Interface Requirements

# Non-Functional Requirements

## Security and Privacy Requirements

## Environmental Requirements

## Performance Requirements