

Cloud Space Mobile Storage Solution

Summary

Cloud Space is an enterprise level cloud storage service, developed around Microsoft's Azure cloud technology. It is cross platform compatible and aimed at providing enterprise level users with a data storage and management solution. Designed on the concepts of Cloud Computing, Cloud Space takes full advantage of the convenience and mobility of cloud and web-based technologies.

Utilizing the massive data processing and storage capabilities of Azure Cloud to provide aggregated data distribution, storage, backup and management services, as well as enabling file sharing with ease.

Azure Cloud Pan is a private storage system that can be implemented internally within an enterprise level organization, to achieve data management and security. Among the long list of its capabilities, Azure Cloud Pan boasts powerful yet easy to use functionalities such as web-based file previewing, quick sharing among friends and colleagues, as well as management of shared files, from and to friends and colleagues.

Internal file sharing:

Azure Cloud Pan also boasts powerful team cooperation capabilities, its organizational structuring and file share privileges are designed to align with the needs of enterprises. It can dramatically improve overall working efficiency in an organization, when it comes to file sharing and file exchanges within task teams and work groups. Files generated within an organization can be gathered and stored on dedicated cloud storages or servers that are allocated specifically for the enterprise, thus giving the organization more control over data and privacy.

Encryption can be implemented on an organizational basis, elevating data security. By having a centralized file storage system, members can exchange and share files across different

departments, and teams, levitating the need for constant email exchanges. It is the perfect solution for internal as well as client-based communications.

Feature Description:

My Space-

Here users can upload files for storage, download files at random locations via browser-based portal. Preview files as well as share files with friends and colleagues.

My Shares-

Here, a list of files shared by the user can be seen. With this module, users can keep track of what they have shared and to whom they shared with, among other details.

Shared with me-

Here, a list of files shared by the other users with the current user can be seen. With this module, users can keep track of what has been shared and whom shared them, among other details.

Storage Management-

Here, users can manage their Azure storage account info, as well as add additional storage locations to use with the application.

Administrator Features-

User Management: admins can add new users or delete existing ones, manage their access rights within the application here.

File Format Filter: admins can add extensions here to force the system to not accept upload in certain formats.

Technical Specification:

System Architecture-

Environment: Asp.net MVC

Deployment: supports Azure AppService deployment

Database: SqlServer2005+

System Security-

Encryption: HTTPS certification-based encryption data transfer

Account Security: all access keys are stored and managed with Azure KeyVault, and platform access is AAD based.