

Description - The project involves creating a cloud storage service. The user is capable of uploading, downloading and deleting files in the cloud.

Services:

1. Login Service
2. File Management Service
3. File Processing

Outbound API:

1. /register - Performs registration of the user
2. /login - Logins the user
3. /upload - Uploads data
4. /download - Download data
5. /delete - Delete Data
6. /checkfiles - Checks which files are available to download / delete.

Internal API:

1. /checkhealth - Checks if a service is alive
2. /restart - Restarts a service
3. /secureddelete - Deletes securely a file

Used Technologies

1. SQL Database
2. Status endpoint
3. Service Discovery
4. Unit testing
5. Task Timeout
6. Load Balancing
7. Circuit Breaker
8. Authentication

Frameworks/Languages

1. C#
2. .NET
3. Java/Spring

System Architecture:

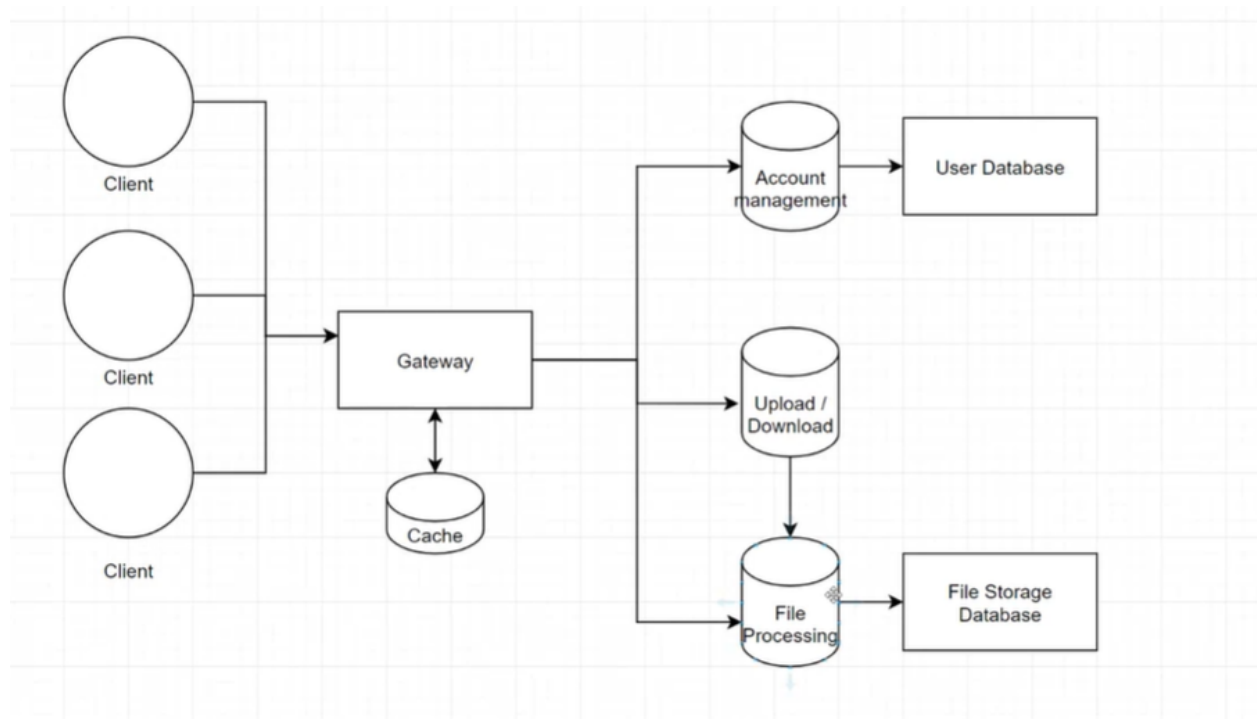


Fig 1.0

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