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Cloud Brain: Human Memory Data Uploading and Dispersion System

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ABSTARCT: We live in a world permeated with technology. One's last will and testament is an important document. It details who will get your assets and belongings after die. Most people spend a lot of time getting their will just right but fail to make sure their will is stored in a safe place where it can be easily found after their death. No matter where you choose to keep your will, you should let your executor, alternate executor, and close family members know that the will has been created, where it is being stored, and how they can access it if something happens to you.

KEYWORDS: Attribute-Based Encryption, re-encrypt, implementation, encrypted data.

I. INTRODUCTION

An antiquated term that refers to the document written by a testator that details what is to happen to property owned by that testator upon death. This term is still frequently used in an interchangeable way to mean a will, though to be precise a last will and testament refers to the most recent version of a will. A will can confer rights or ownership over real property or personal property and can also be used to appoint legal guardians, but only takes effect once the testator dies. When a will only deals with real property, it may be called a devise, and when a will only deals with personal property, it called as testament. If a decedent does not leave a last will and testament, their assets will be administered by a probate court.

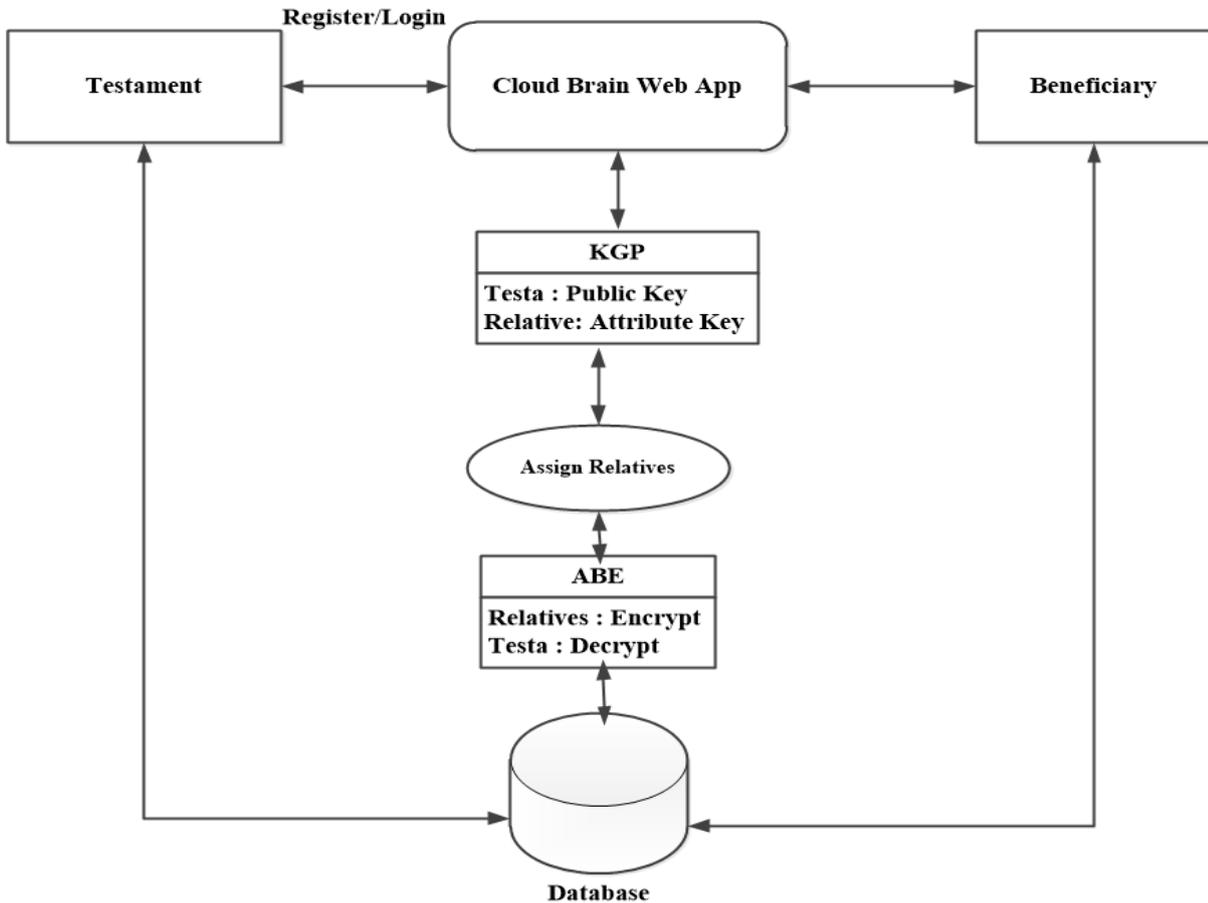
II. EXISTING SYSTEM

Manual , An antiquated term that refers to the document written by a testator that details what is to happen to property owned by that testator upon death. This term is still frequently used in an interchangeable way to mean a will, though to be precise a last will and testament refers to the most recent version of a will. as it requires experienced inspectors to identify and pick up the kernels with various defects one by one.

Disadvantages

- So, every existing system requires manual work of setting the reminder.
- Existing systems are time consuming because of manually setting the reminders.
- There is no facility of storing the original documents in any of the existing system.
- There is no facility of reminding the relatives about the confidential documents of their knee in the existing system.
- There is possibility of hanging down the existing systems due to the manual work.

SYSTEM ARCHITECTURE



Advantages

- An affordable technology with high end advantage.
- User relatives gets reminder on particular time.
- It also has a feature to select a range of dates in which he/ she should be alerted.
- Ability to create location reminders for unknown locations.
- Ability to create time-based reminders, and repeating reminders.
- Ability to save documents, video, live video, audio and email accounts for creating reminders in future.
- Ability to share current and saved information of the user by messaging or email services.

Data science and machine learning with Python

Sophisticated data analysis has become one of fastest-moving areas of IT and one of Python’s star use cases. The vast majority of the libraries used for data science or machine learning have Python interfaces, making the language the most popular high-level command interface to for machine learning libraries and other numerical algorithms.

Web services and RESTful APIs in Python

Python’s native libraries and third-party web frameworks provide fast and convenient ways to create everything from simple REST APIs in a few lines of code to full-blown, data-driven sites. Python’s latest versions have strong support for asynchronous operations, letting sites handle tens of thousands of requests per second with the right libraries.

- **Metaprogramming and code generation in Python**

- In Python, everything in the language is an object, including Python modules and libraries themselves. This lets Python work as a highly efficient code generator, making it possible to write applications that manipulate their own functions and have the kind of extensibility that would be difficult or impossible to pull off in other languages.

- Python can also be used to drive code-generation systems, such as LLVM, to efficiently create code in other languages.

- **“Glue code” in Python**

- Python is often described as a “glue language,” meaning it can let disparate code (typically libraries with C language interfaces) interoperate. Its use in data science and machine learning is in this vein, but that’s just one incarnation of the general idea. If you have applications or program domains that you would like to hitch up, but cannot talk to each other directly, you can use Python to connect them.

- **Python 2 vs. Python 3**

- Python is available in two versions, which are different enough to trip up many new users. Python 2.x, the older “legacy” branch, will continue to be supported (that is, receive official updates) through 2020, and it might persist unofficially after that. Python 3.x, the current and future incarnation of the language, has many useful and important features not found in Python 2.x, such as new syntax features (e.g., the “walrus operator”), better concurrency controls, and a more efficient interpreter.

Unit Testing

It is the testing of an individual unit or group of related units. It is done by programmer to test that the implementation is producing expected output against given input and it falls under white box testing. Unit testing is done in order to check registration whether the user properly registered into the cloud. It is done in order to check whether a file is properly uploaded into the cloud. And an encryption and decryption is checked with unit testing if it is converted properly. Then deduplication is checked with unit testing.

Test Case

File level deduplication will save a relatively large memory space. In general, file level deduplication view multiple copies of same file. It stores first file and then it links other references to the first file. Only one copy will be stored. In testing, even though file names are same, the system can able to detect deduplication. If we upload the same file by using different names, it will view only the content and not names. Thus redundant data is avoided.

In registration phase, the user may not registered before and type their information. So if the user is new user, the alert message will display that the user is not registered before.



III. RESULT

The image shows a user registration form on the left and a brain icon inside a cloud on the right. The form is titled "User Registration" and contains the following fields:

Ramesh	✓	Kumar	✓
<input checked="" type="radio"/> Male <input type="radio"/> Female		12-05-1984	📅 ✓
54, SK Nagar	✓	32, FF Nagar	✓
652152	✓	Salem	✓
Tamilnadu	✓	India	✓
ramesh@gmail.com	✓	9854575345	✓
8826445017	✓	Land Line Number	✓
Aadhar Card Number		Voter ID	
PAN Card Number		Driving License Number	
Username		Password	
Confirm Password			

At the bottom of the form is a blue "Submit" button. To the right of the form is a large blue circle containing a brain icon inside a white cloud.

IV. CONCLUSION

This Project title is Building a Virtual Brain to life for the secrets. This project was developed to store the secret information of the user. User can store their secret information into this site. Then login and view the information and also modify the information. When the user is not available the information was shared to user's relatives or friends. This system was implemented successfully. Then information was secured using this website. With the advancements in technology, human who is the ultimate source of information and discovery should also be preserved. A human does not live for thousands of years but the information in their mind could be saved and used for several thousands of years. The whole idea is that memory, mental illness and perception triggered by neurons and electric signals could be soon treated with a supercomputer that models nearly all the 1,000,000 million synapses of the brain. User can store their confidential information, view and also modify them according to their state. When the user's brain occurs any in appropriate condition the preferred information will be passed on to the authorized person/guardian. The information was secured as of that the details are stored in an encrypted manner. A human does not live for several years but the information in their mind could be saved and used for several of years. In this paper, we focus on protection the privacy of outsourcing data and preventing player abuse in file syncing and sharing services in the cloud.

V. FUTURE ENHANCEMENT

In future we provide high security to this application. Before sending the information to the relative's system will ask question to the relatives. Testator already stores the question and answer also. Relative give correct answer to the question then information is forwarded to the relative. And also, we create android application for this concept in future



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