International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056
Volume: 06 Issue: 03 | Mar 2019 www.irjet.net p-ISSN: 2395-0072

Integration of cloud computing and big data for detecting the black money rotation in banking field

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Abstract - *A test in such situations is that cloud sellers may offer shifting and conceivably contrary approaches to disengage and interconnect virtual machines situated in distinctive cloud systems. Our methodology is occupant driven as in the inhabitant gives its availability component. We are executing Block chain , cloud computing and big data idea in this venture. We execute both Public and Private cloud information stockpiling, Private is for touchy information stockpiling and open cloud is for typical information stockpiling. We execute this idea for banking framework, to distinguish by and large client conduct with individual distinguishing proof. Combination of all his/her exchanges like Banking, Land Enlistments, Gold Purchase or any money exchanges more than Rupees. 20k is accounted and observed.*

***Key Words*: Security, Tracking, Notification , Large data, Bank detail,Cloud storage.**

1.INTRODUCTION

The past few years this community has very well understood the benefits of this concept by transforming their applications to virtualized service offerings at a rapid pace. The benefits include easier and faster deployment of scientific applications, and the use of public cloud offerings for rapidly scaling out services. A hybrid cloud employs both a private and public cloud for rapid deployment of services.

This is crucial for computationally demanding applications which require expedited scalability at global scale. As such hybrid clouds represent an opportunity for scientific applications as well. Organizations temporarily scaling-out their infrastructure from a private to a public cloud during peak hours, primarily have an economic advantage by eliminating any upfront cost for new hardware, and secondly reducing any administrative overhead with new resources introduced. Scientific applications are inherently complex and often have dependencies on legacy components that are difficult to provide or maintain. Thus, existing scientific applications should be virtualized in a backward compatible way. In addition, utilizing hybrid clouds represent additional challenges, such as interoperability between different cloud vendors.

The interoperability aspects include portability of virtual machines, crossvendor connectivity between virtual machines, and securing of computation, data and networks.Our main contribution is in the design, implementation, evaluation and analysis of the proposed solution using a highly challenging scientific application that requires legacy components and secure connectivity in a distributed environment.The scientific application is a high energy physics grid software bundle that we have virtualized and ported to an OpenStack production environment.

2. MODULES

2.1 user registration

In this module we are going to create a User application by which the User is allowed to access the data from the Server. Here first the User wants to create an account and then only they are allowed to access the Network. Once the User create an account, they are to login into their account and request the Job from the Server. Based on the User's request, the service Provider will process the User requested Job and respond to them. All the User details will be stored in the Database.

2.2 bank server

Bank Service Provider will contain information about the user in their Data Storage. Also the Bank Service provider will maintain all the User information to authenticate when they want to login into their account. The User information will be stored in the Database of the Bank Service Provider. To communicate with the Client and with the other modules of the Company server, the Bank Server will establish connection between them. For this Purpose we are going to create a User Interface Frame.

2.3 land registration and gold purchase

In this module we implement land registration and purchased details to be monitor . Here, user name, land documents, price

and selling price land. And also we monitor the gold purchase of every user and all other property details will be monitored based on user' Id.

2.4 cloud deployment

user will upload their data to the cloud server and request for a particular file is send to cloud server. To deploy our system we use dropbox cloud storage to store our details. Here we store sensitive and normal information on private and public cloud server respectively.

2.5 blockchain deployment

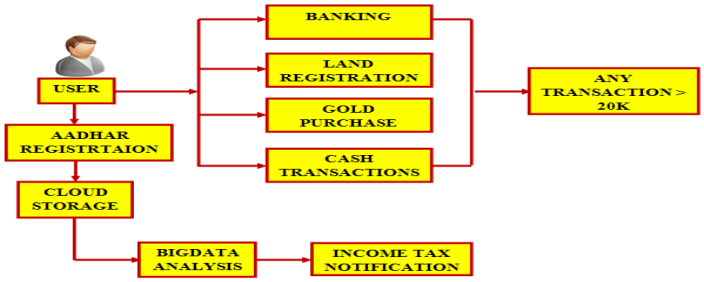
A block is a container data structure. The average size of a block seems to be 1MB (source). Here every certificates number will be created as a block. For every block an hash code will generate for security. Here we store all transaction information like land purchase, gold purchase and all other purchasing details will stored on block chain. For every transaction we a block will create with hash code to refer the other block. Transaction detail will be more secure on block chain.

2.6 big data analysis and black money notification

Through out all transaction here we monitor proper payment of tax payment. Because, more number of forgeries were made on purchasing of land, people shows a fake price for land purchase and gold purchase. So , in this module we get the details of purchasing rate more than 20K .

If user purchasing rate is increased more than 20K, system will alert the income tax notification to the user. Using aadhar number we can monitor all bank transaction also.

3.ARCHITECTURE DIAGRAM



4.BENEFITS

The benefits include

i. Tracking system for purchasing property

ii. Notification for income tax payment

iii. Cloud storage for public and private information

5.CONCLUSIONS

Thus the paper infer that we provide an tracking system while purchasing gold or any asset above 20k. Now a days forgeries level is increasing in smarter way so to provide security we track the money using blockchain technology and by the inergration of cloud and big data.

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