Survey on Integration of Multi-Cloud Deployment with Multi Bank & User Smart Card

V Gokula Krishnan¹, A Dinesh², S Prem Rajendran³, T S Sundeep⁴

Associate Professor¹, UG Scholars²,³,⁴

Department of Computer Science and Engineering, Panimalar Institute of Technology, Chennai, Tamil Nadu, India

ABSTRACT

In the EXISTING SYSTEM, Big data is really opportunity based environment. Big data analytics would definitely lead to valuable knowledge for many organizations. Big data challenges include capturing data, data storage, data analysis, search, sharing, transfer, visualization, querying, updating and information privacy. In the PROPOSED SYSTEM, Integration of Big Data, Business analytical and RFID like technology are supposed to be recent trends in IT. It is most challenge oriented activity. The MODIFICATION, which is our implementation, we are proposing an integrated application for Banking, Hospital, Passport & Ration. RFID is used as User Identification number for all these four applications. In banking application, User can add his / her multiple Bank accounts in a single card. User can also add Multi user accounts also. On multi user accounts transaction, parent user can set the withdrawal Limit. On every transaction OTP will be verified. Formula authentication is verified for withdrawal of money above the limit. User can use that multi card in hospital to get their report. Multi card can also be used in passport to register the travel details. All the data are stored in multiple Cloud Servers.

Keywords: RFID, Cloud Servers, HMM, Formula Based Authentication, QR Code

I. INTRODUCTION

The main aim of the project is integration of multiple bank accounts to a single user with one smart card and multi user for a single account with user behavior monitoring using HMM & formula verification. User can withdraw the cash as per limited money requirement and time frequency is also monitored & recorded. It is very useful for withdraw amount in without time delay. The MODIFICATION, which is our implementation, we are developing this application for a Banking sector particularly for a Debit/ATM card section. We can use RFID smart card as ATM Card for transaction. User can create account and get the ATM card from the bank. He can integrate all his accounts in other banks can be integrated in this single card with unique PIN numbers accordingly. User can include all his family members’ accounts details also in the same card. He can withdraw cash from their accounts after successful authentication of the corresponding PIN numbers. , we are proposing an integrated application for Banking, Hospital, Passport & Ration. RFID is used as User Identification number for all these four applications. In banking application, User can add his / her multiple Bank accounts in a single card. User can also add Multi user accounts also. On multi user accounts transaction, parent user can set the withdrawal Limit. On every transaction OTP will be verified. Formula authentication is
verified for withdrawal of money above the limit. User can use that multi card in hospital to get their report. Multi card can also be used in passport to register the travel details. All the data are stored in multiple Cloud Servers.

People need not carry all their debit cards. Instead of debit cards they can use Aadhar QR code. When withdrawing money from ATM, scan the QR code in ATM, which give two option 1. With fingerprint 2. without fingerprint. The aadhar holder can use without fingerprint option and withdraw money from their bank account. Without fingerprint option can also be used by friends of the user. The aadhar holder can share their QR code with their friends. Here they don’t want to share permanent PIN to their friends. Instead they can give temporary PIN and temporary QR for each transaction.

FORMULA BASED AUTHENTICATION: In this module, a formula is sent to the person who have multi user smart card for authentication. The main purpose of multi user card is all person in a family have to use this card if they don’t have sufficient amount in their account. So a parent user is a person who have this smart card with a unique formula. If anyone withdraw amount beyond the limit a message will be send to parent user. And shall give the formula to that person who withdraw the money. After the formula is given by the person the person can withdraw the money.

II. LITERATURE SURVEY

<table>
<thead>
<tr>
<th>S. No</th>
<th>Publication Title</th>
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<tbody>
<tr>
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<td>Abstract</td>
<td>Development of advanced anomaly detection and failure diagnosis technologies for spacecraft is a quite significant issue in the space industry.</td>
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In this application the transaction is done by entering unique PIN numbers of multiple accounts. For each and every transaction the user has to enter unique PIN number of corresponding account.  
The current banking system has several drawbacks which lead to increase in security threats to its transactions. The privacy of customer transaction details in those banks is at risk. Hence it is necessary to discuss those security threats.  
T. Yong  
Formula based authentication.  
No disadvantages in this method. |
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Systems reliability is critically important for reducing systems risk of failure  
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III. CONCLUSION

Thus the project concludes that a single card will used for multipurpose fields like banking, passport, hospitals, rations etc. That is a single user can handle multiple bank accounts with a single smart card instead of using multiple ATM cards. User can also use a single account for family banking services such as multiple users of the same bank account. For every public sector there is a separate card for a family. This card will also be used for passport verification, ration card, Hospital personal details and bank so that in future if we implement this card publically there is no need for any separate card. All the necessary things needed for daily life is integrated to that particular single smart card.

IV. FUTURE WORK

Formula values will be generated in mobile OTP. User can easily change the formula frequently. Beneficiary user can also deposit the original user account. Beneficiary user can also check the original user account, so easily can withdraw amount. Mobile banking sector used for withdraw and deposit. Online transaction sector can be integrated and withdraw amount. Future work involves integrating QR code and finger print authorization to the bank accounts, hospitals, rations, passport etc., instead of the smart card. ATM machine scans the QR code which contains all the accounts and details integrated together and Finger print for authorization.

V. REFERENCES


