



Application of Cloud Security Services for the Secured Vendor Registration

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ABSTRACT

Generally in current days, the business is mainly based on the network where security is the main constraint that should be considered while financial transactions, data retrieval, data storage and firm maintenance etc. The present technology provides security for all those constraints by using various encryption algorithms. In the proposed method the data is converted into different formats resulting that the stolen data may not be understandable. Here, we consider the vendor registration in which any number of vendors can be collaborated over a network to share the business plans and for firm maintenance where the security is to be considered taken into account to perform those actions. This paper focus on providing the security with the utilization of cloud services additional to conventional security mechanisms to differentiate the authorized and unauthorized vendors.

Keywords: Data Encryptio,., Cloud services, Cloud Securit.

1. INTRODUCTION

The Vendor's Registration interface is targeted to all vendors who are authenticated. The interface integrated all the vendor's and provide business solution with the firm. The interfaces also verify the blacklist customers and provide security to the firm using the cloud services and cloud security. Let us consider there are many vendor's who are willing to do business with the firm. Here the vendor first needs to register and get the acknowledgement. The acknowledgement says that the vendor is authorized vendor. Then the vendor can do business with the firm. Without getting the acknowledgement the vendor is not supposed to do the business with a firm. The vendor registration is going to verify the blacklist vendors and this gives security to the firm.

Cloud security and cloud services have become progressively more imperative as enterprises progress more applications, info and communications to the cloud. Cloud computing offers momentous strategic and cost payback, including superior scalability, more efficient use of assets and the prospect to offload infrastructure and processes. So that organizations need to focus on their major competencies. While security concerns once were a fence to the acceptance of cloud services, at present a secure cloud provider can frequently achieve superior security in a virtualized atmosphere than enterprises can accomplish with infrastructure on-premise

2. DRAWBACKS OF CONVENTIONAL METHODS

- There may be multiple vendors' login at the same time and the server can't handle.
- If there is any hardware malfunction in online processing systems then guests of website acquire trouble.
- Online processing involves batch of employees to sustain inventory.
- There should be making some relation with firms so if any transaction problem occurs then firms handle it correctly.

- Electricity problem is another issue i.e. if electric supply get off so backup of generators and hardware devices in better.
- All user data like personal details, technical details are kept on database servers so if website gets hacked or data loosed then it creates problem. For instance LinkedIn site which obtain hacked and email and password get accessed by those hackers and is displayed record details of the particular users on the internet by hackers.

3. SECURITY BY CLOUD SERVICES

The Vendor's Registration interface is targeted to all the vendor's who are authenticated. The interface integrated all the vendor's and provide business solution with the firm. The interfaces also verify the blacklist customers and provide security through cloud to the firm.

This system acts as a standard interface between the firm and all the vendor's by using this portal any vendor who maintain all the details about the firm and about the tools that he was trading with firm can register. In the backend, system will take care of the entire obligation required in order to carry on business smoothly.

3.1 NEED FOR COMPUTERISATION

Automation is absolutely compulsory to aid or automate different procedures and a number of transactions. Some salient features of computerization are:

- ◆ Reduction in the time of processing .
- ◆ Providing security for the data.
- ◆ Reducing the redundancy & also inconsistency.

To afford flexibility for the users, the interfaces are being developed which are also accessible with the help of a browser. The GUI'S which has been categorized at the top level is mentioned below.

1. Administrative client interface
2. The operational and generic user interface

The 'administrative client interface' mainly focus on the information which is consistent and which is particular to the formal activities of the organization, and that requires authentication while collection of data. This interface helps the administrator in all the data modification activities such as data insertion, deletion, modifications, updates etc. this interface helps the admin to match the existing data with the customer required data and can provide the services.

4. LITERATURE SURVEY

Cloud Security Service is a set of IT Services that are provided to a client over a network and these services are served by third party supplier who owns the infrastructure. It is often supplied "as a service" over the network, normally in the structure of infrastructure as a service (IaaS), platform as a service (PaaS) and software as a service (SaaS). Cloud security service is the broader perception of infrastructure convergence. This type of information centre atmosphere allows enterprises to get their applications study and move faster, with easier manageability, and very low maintenance to convene business demands.

As the essential data storage is the important facility of the cloud security service it is of key importance to provide the protection. The art and science of conceal the mail to introduce confidentiality in information

security is predictable as cryptography. Security aims of data cover main points namely: Availability, Confidentiality, and Integrity.

5. IMPLEMENTATION

5.1 Data flow Diagram



Figure1. Data flow diagram

The security while vendor registration is through the cloud security service, Admin is responsible for the whole activity where the controlling booth were set to maintain the register of the registered vendors which provides an easy way to track the authenticated and unauthenticated vendors. Vendor interaction register helps in tracking the communication between the vendors in sharing the required data for firm maintenance.

At every stage the security is provided by cloud security service as shown in the above data flow diagram in order to track the authorized and unauthorized vendors and to reduce the data loss during communication between the vendors band for better firm maintenance.

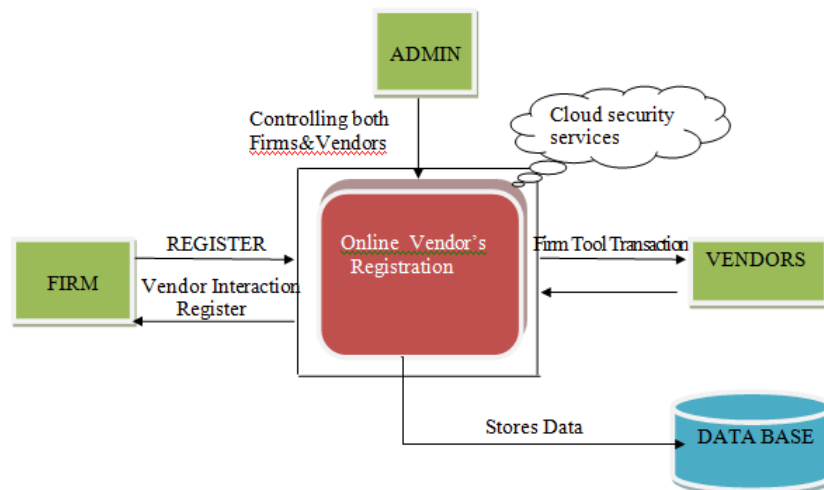


Figure 2: Providing security through cloud security services

6. CONCLUSION

Currently we are having lot of vendor's in the market and any vendor can do business with the firm. But here are we are going to verify either the vendor is authenticated or not. This is the main advantage we are going to verify the blacklisted customers and unauthenticated vendors. To overcome problems with the blacklisted customers and unauthenticated vendor's we are providing cloud security for vendor's registration. This interface is targeted to all the vendor's who are authenticated. The interface integrated all the vendor's and provide business solution with the firm. The interfaces also verify the blacklist customers and provide security through cloud to the firm.

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