

Indian Criminal Database Handling using Cloud Computing

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ABSTRACT

Now a day in India crime is increasing day by day. In India we are not having much effective and efficient criminal handling system. In this paper we are proposing a method or idea which handles criminal database of all crimes which are happening in all over India using cloud computing.

Keywords

Cloud computing, criminal, crime, infrastructure..

1. INTRODUCTION

In India we are having poor and inefficient crime scene information and we also not having in detail information regarding peoples who are doing crimes.

Thieves, chain snatcher, rapist, killers, robbers, terrorists, Maoist, naxalites, etc are come under category of crimes and peoples who does such a things are called criminals.

In India if anybody got under such crimes is send to the jails or police stations, in police stations the information of criminals are keep by taking thumb, palm expressions using old techniques by using links and detailed information of that criminal is taken on notebooks.

Now we are in 21st century, and we are using this previous techniques, so what happening is that if one criminal escape from one jail and he goes to out of state and he can do crimes again their and again escapes from jail and so on so we are not having any database of that criminal which are taken from thumb scanner or retina scan, etc.

So to stop or minimize such a things in India we are proposing a system with help of cloud computing which contains a detailed information of all criminal who are doing crimes.

Cloud computing is a latest new computing paradigm where applications, data and IT services are provided over the Internet. The Task management is the key role in cloud computing systems [1].

Cloud computing is known as digital service delivery over the Internet by several applications which are carried out by computer systems in distributed datacenters. It supplies a high performance computing based on protocols which allow shared computation and storage over long distances [2].

The cloud computing is a recent field in the computational intelligence techniques which aims at surmounting the computational complexity. It is defined as a distributed system containing a collection of computing and communication resources located in distributed datacenters which are shared by several end users. There are two kinds of

the cloud; the former is the public cloud in which services may be sold to anyone on the Internet. Here, Google App Engine [3] is large public cloud providers. The second type of the cloud is the private cloud. It is a proprietary network or a information center that services to a limited number of users. Cloud computing allows users to run applications remotely including information technology services called Software-as-a-Service (SaaS) [4].

Following are the essential characteristics of cloud computing:

1. Location Independence
2. self-service.
3. Fully network access, etc.

2. PROPOSED WORK

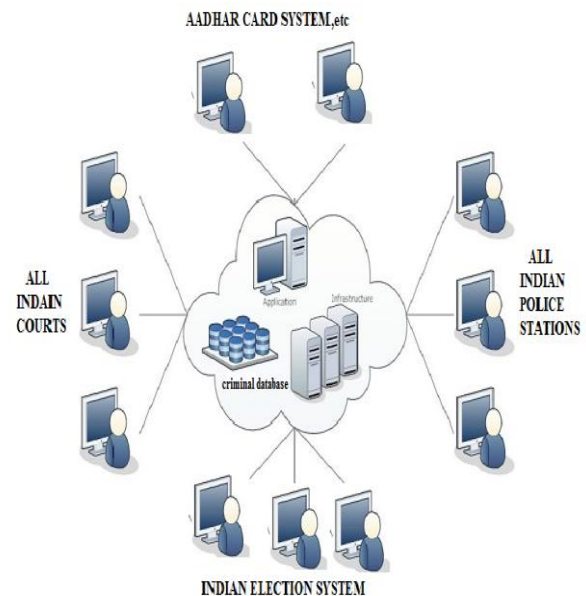


Fig 1: PROPOSED SYSTEM ARCHITECTURE

Above figure 1 shows a Indian Criminal Database Handling Using Cloud Computing with proposed system architecture. As shown in above figure it contains following components:-

1. CRIMINAL DATABASE:

Criminal database contains information such as Name Of that criminal which crime he/she done and important part which required is his\her thumb scan, palm scan, retina scan, image of that criminal.

2. INFRASTRUCTURE:

Here we are using Platform as a Service model because for to deploy developers application to a cloud and we can insert, update or delete (when clean chit is given to criminal) a data for criminals at developers side and we are using Private Cloud Deployment Model because it should be privately used by all government offices in India.

3. APPLICATION:

Application gives interface between retrieving and storing a information to the cloud that is it gives graphical look to the different users present at different locations.

4. USERS:

Users of this systems are mainly All Indian Police Stations, All Indian Courts, Indian Election Systems, Aadhar card Systems, Banking Systems, All Indian Government offices, All LIC Offices, etc.

3. WORKING

Here our proposed system stores all criminals crime information on private cloud because data is privately owned by Indian government with the help of applications software all government offices interact with that database enter entry to that database do the operations on that database, etc.

If criminal escape from one state jail and go to other states so because we are having that data on our private cloud so we can inform each and every police stations in India about the criminal al who are escaped from jail.

But for that to happen in India we require each and every police stations having connected to each other through internet and cloud system.

4. APPLICATION:

Following are the application of proposed system:

1. In any police recruitment center.
2. In Indian Army recruitment center.
3. In Indian Navy recruitment center.
4. In Banking Sector.
5. In Hotels.
6. In MNC Companies.
7. In all Indian Government Sectors.

5. CONCLUSION

With the help of this system we minimize the crime ratio stop crimes, catch the criminals and we take the necessary action or punishment on the criminals which are escaping from jails or who are terrorists, thieves, etc according to our Indian Constitution.

REFERENCES

- [1] Sandeep Tayal, "Task Scheduling Optimization for The Cloud Computing System" International Journal of Advanced Engineering Sciences and technologies, Vol No 5, Issue No 2, 111-115, 2011.
- [2] Salim Bitam, "Bees Life Algorithm for Job Scheduling in Cloud Computing", ICCIT 2012IEEE VOL. 48, NO. 3, MARCH 2010.
- [3] Google App Engine. <http://code.google.com/appengine/>
- [4] B. Furht, and A. Escalante, "Handbook of cloud computing," Cloud computing fundamentals chapter writen by B. Furht, Springer, 2010.