Security and accountability for sharing the data stored in the cloud

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Abstract— Important for cloud services the cloud computing share throw multiple clients , and it is more important to allocate resources for cloud service provider , cloud computing is an infrastructure that provides on demand network services , in relation , the most important feature of the cloud services is that user's data are hosted in remote . While taking benefit of this new emerging technology, users' fear of losing command of their own data, is becoming a noteworthy hurdle to the extensive implementation of cloud services. Cloud service provider module is to process data owner request for storing data files and application and provides cloud users log details to data owner for audit purpose, to address this problem framework based on information accountability to keep track and trial of the authentic handling of the users' data in the cloud. The system proposed that the Data can be fully tracked by the owner and follow up the service agreements by depending on many items which access, usage control and management.

Keywords —Cloud computing, data sharing, frame work , Acountability.

I. INTRODUCTION

Cloud computing introduce many supplements of consumption for information technology services by depending on internet for communication between server and devices , a very famous supplier of services are Amazon , Google , Microsoft , sales force and You Tube ,those suppliers are abstracted according to the requirements of users who should be experts of technology and what is going on , on behalf the user worrying of losing their data because feels that their data not with them , at same time they are happy and enjoying the convenience of new technology which give a remote control of the data and those system support work in many and different devices[1] , cloud computing provides flexibility for deploying applications at lower cost while increasing business agility, the main feature of using cloud services is that user's data are more often processed at remote machines which are unknown to user. As user do not own these remote machine used for speed up data processing or operate them in cloud, users can lose control of own confidential data[2].

There is a lot of improvement takes place in the system with respect to the internet. Many of the users are getting attracted to this particular technology due to the services involved in it comes at lower cost and reduced computation overhead also the reliable data transmission takes place in the system in a well effective manner. To overcome these problems we use a novel approach namely Cloud Information Accountability (CIA) framework based on Information Accountability (IA)[1].The proposed CIA framework provides accountability and secured data transferring through novel use of image encryption technique in a distributed manner. This comes with usage control, access control and authentication. By means of CIA, data owners can track whether the service level agreements agreed and enforce access and usage control rules. Any access to the owner's data will cause automated logging mechanism local to the JARs. Such decentralized automated logging mechanism helps to keep the dynamic and flexible nature of the cloud but also raises issues such as ensuring the integrity of the logging. Currently we concentrate on image files as images represents a very common content type for users on social networks and organizations[3]. Images are increasingly on the cloud as a part of storage service which is provided by different cloud service provider (CSP).Moreover images are often content type for sharing, the chaos image encryption algorithm for image encryption is related to some dynamics of its own characteristics[3]. the behavior of the chaos system, under certain conditions, presents phenomena which are characterized by sensitivities to initial conditions and system parameters , we use Tomcat 6.0 web server to implement our work , Tomcat is an open source web server developed by Apache Group. Apache Tomcat is the servlet container that is used in the official Reference Implementation for the Java Servlet and JavaServer Pages technologies[4].

II. EXISTING SYSTEM

The data processed on clouds may be outsourced , which leads to a number of issues related to accountability and privacy , like handling of personal identified information to get start the users' concerns, it is basis to provide an mechanism for users to monitor the usage of their data in the cloud. For example, users need to be able to secure that their