EFFICIENT AND EFFECTIVE VIDEO SHARING IN ONLINE SOCIAL NETWORK USING REVOCATION TECHNIQUE

[1]A.Arun,[2]Dr.A.Samydurai

[1] PG Scholar,Department of Computer Science and Engineering,
[2]Associate Professor, Department of Computer Science and Engineering,
[1,2]Valliammai Engineering College ,TamilNadu, India.

---***---

ABSTRACT: The OSN is a platform to share our files and thoughts worldwide with our friends. Sometimes social networks face lot of problems one of them is usage of server space. The mainly sharing of video files in the online social network occupies lot of space and file sharing increases the space problem. In case of shared file is removal from user side in creates lot of problems, to implementing the file revocation concept to overcome such issue. In a recent paper the peer-assisted Video-On-Demand (Vod) [3] technique has been proposed in which participating peers assist the server in delivering the video content. Unfortunately video can be circulated through friends in OSNs.Social Tube can improve the quality of the system scalability over the current p2p [2] and Vod techniques.

Keywords:**Video-On-Demand (Vod), online social network (OSN), social network (SN), p2p.**

I.INTRODUCTION

In our social network we are going to solve the cloud space problem because of video sharing among users. Once a video file is uploaded in a social network in the sense with in few minutes it will be shared by many users. Because of this replication of same video file occupies lot of space. In our OSN [4] we are going to provide a solution for this. Once a file uploaded in the sense that file will remain as origin file if it is shared by several users means all such files will be only clone files. This clone files will not occupy any memory space only the origin file memory is remains in the server.A social networking service [6] (also social networking site or SNS) is a platform to build social networks or social relationsamong people who share curiosity, activities, backgrounds or real-life connexion. Social network sites are varied and they incorporate new information and communication tools such as mobile connectivity, photo/video/sharing and blogging.Social network service usually means an individual-centered service whereas online community services are group-centered. Social networking dump allow users to share concept, pictures, posts, precedence, social action, interests with people in their network.
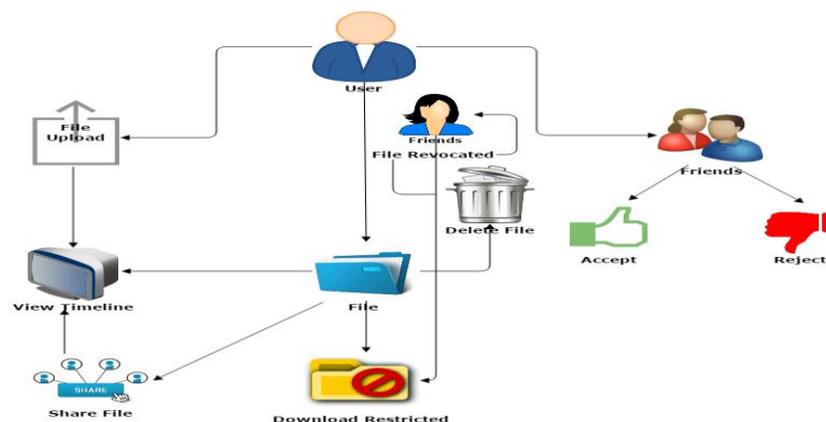
II.OVERALL SYSTEM ARCHITECTURE

Figure 1.1.system Architecture Design.

The architecture of figure: 1.1Entered data have to be checked for their accuracy and direction of errors. Appropriate error message have to be displayed. When an invalid data is entered, the user should not be allowed to type that data.Output design was studied going actively during the study phase. The objective of the output design is defined the contents and format of all documents and reports in an attractive and useful format.

Algorithm:

step1. for each ri,j ∈R

step2. if (ReqType = Urgent) //Urgent download

step3. Push ri, j to UrgentQueue

step4. Update UrgentQueue (ri,j)

step5. else

step6. Push ri,j to PrefetchQueue

step7. for each ti ∈T

step8. Calculate bandwidth ratio

step9. for each ri,j ∈UrgentQueue

step10. Sort ri,j according to deadline

step11. Push Cj,i to i

step12. If (μi- br > 0)23

step13. for each ri, j∈PrefetchQueue

step14. Sort ri,j according to FCFS

step15. Push Cj,i to i.

III.CLASSIFICATION OF DATA EXTRACTION.
A. User Authentication

The user wants to access the website they should become member of the website. So for user wants to register into the website with their details such as user name, password, email, photo, DOB, age, gender, area of interest, location, education details, current details etc., unique user name and password will be generated for the entire user. With this user can login into the website.

B.Auto Grouping

Any user can give friend request to anyone in the website, which should be in the processing until they accept the friend request. User can have access to either to accept or reject or block a particular request. If the user blocks a particular user, they should not even show in the search list. Based on the user profile automatically groups will be created such groups will be maintained in the social network once any post or shares made from the user side then the files will be shown to the particular profile matched groups only.

C. Restrict Downloads

Any user can add their post with the specific details such as post title and file name and specific category to show the particular file. The overall post details will be shown in their time line with the posted date. The file will be shown only the selected category to which the user has selected in the category list. And no one can download the posted data only they can share the files in their time line. User's file / post details will be shown in the time lines. If the user shares other are file, that file also will be shown in time line list which match the suggested category with their profile. No one can download the files which are shared in timeline also.

D. File Sharing

The user can share a file who is the member of in the friend list. User can also add likes to a particular file and user can also add comment to a particular user. They can also view the shared file in their time line also but the original file details will be available only in the original user of the file. For the shared file no data memory will be stored in the profile only the clone of the original file will be shown as zero MB file in his profile.

E Account Deactivation

The user wants to deactivate their account; they have to give access to anyone of their friends for access the file details who will act as original user of a file. The user who have access to particular file the can handle overall file details. Once the user deactivated their account their friends cannot search and view their information.

F. Revocation Module

The user wants to remove an uploaded file from his profile he has to give access permission to someone else who shares hisfile. Then only he can remove the file from his profile. User's file / post details will be shown in the time lines. Any user can add their post with the specific details such as post title and file name and specific category to show the particular file. The overall post details will be shown in their time line with the posted date. The file will

be shown only the selected category to which the user has selected in the category list. If the user shares other are file, that file also will be shown in time line list which match the suggested category with their profile.

IV.SNAPSHOTSOF DATA EXTRACTION GOALS.

Input design output design was studied going actively during the study phase. The objective of the output design is defined the contents and format of all documents and reports in an attractive and useful format.
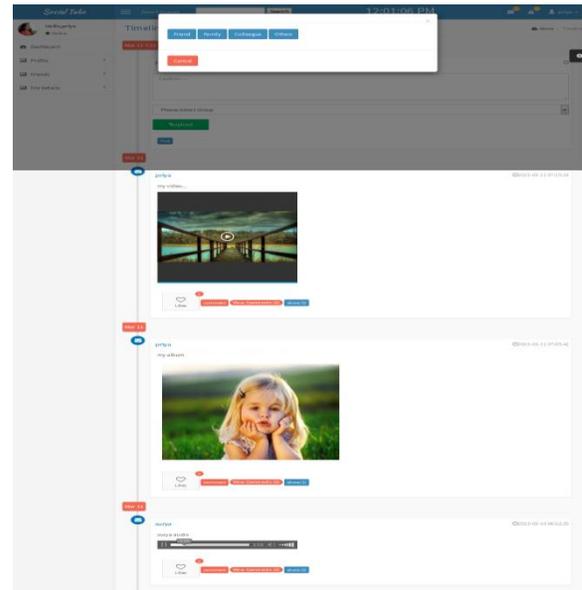

Fig1.2:Video-On-Demand.

Video sharing is an increasingly popular application in OSNs. However, the client/server architecture deployed by currentvideo sharing systems in OSNs costs an oversized amount of assets for the service provider and lacks scalabilityRegister new membership on social tube.
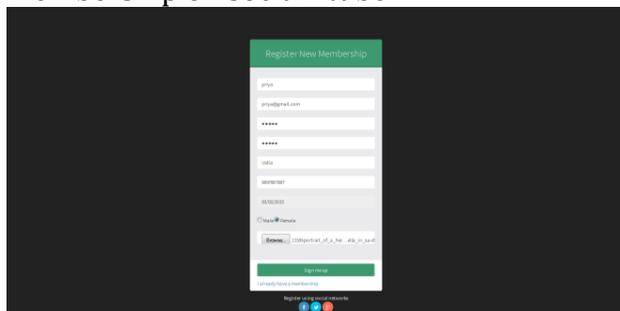

Fig:1.3.Register lable on social tube.

Enter the name,Email id,password,phone number,male or female. This all detais add your profiles.

Fig: 1.4.share the status.

Share the information to friends, family, college, others.

V.APPLICATION OF ALGORITHM

A. Government applications
Social networking is more recently being used by various government offices. Social networking tools serve as a speedy and easy way for the government to get the idea of the public and to keep the public modify on their activity.

B.Business applications
Social networks connect people at low cost this can be good for bourgeois and small businesses looking to dispread their contact bases. These networks often act as a customer relationship management tool for companies. Applications for social networking sites have prolonged toward businesses and marquee are creating their personal, high functioning sites, a sector known as brand networking. It is the idea that a brand can build its consumer partnership by connecting their consumers to the marquee image on a deck that provides them relative content, elements of commitment, and a ranking or equalize system. Brand networking is a new way to profit on social direction as a marketing tool.

The power of social networks it beginning to permeate into internal culture of businesses where they are finding uses for coactions, file sharing and knowledge delivery the term Enterprise Social Software is becoming increasingly popular for these types of utilization.

C.Educational applications

The national school board corporation reports that nearly 60% of students who use social networking talk about education topics online, and more than 50% talk specifically about schoolwork.

Yet vast majority of school district. Social networks adjusted on encouraging relationships between teachers and their students are now used for learning, educator professed development, and aggregation sharing.

Ning for teachers, TermWiki, Learn Central, Teach Street and other sites are being built to foster relationships that include educational blogs, eportfolios, formal and ad hoc communities, as well as communication such as chats, elaboration threads, and simultaneous forums. These rough also have content sharing and rating features.

D.Finance Applications

The use of virtual currency systems inside social networks create new possibility for global refinance sub culture operates a virtual currency Ven used for global transactions among members, product sales and fiscal trades in commodities and carbon credits. In May 2010, Carbon pricing contracts were introduced to the weighted basket of currencies and staplethose determine the floating exchange value of Ven. The introduction of limestone to the calculation price of the currency made Ven the first and only currency that is linked to the environment.

E.Medical and Health Applications

Social networks are conception to be adoptive by healthcare no recreational as a means to manage institutional knowledge, disseminate peer to peer knowledge and to highlight individual physicians and institutions.A new trend is emerging with social networks created to help its members with various physical and mental ailments for people suffering from life altering diseases.PatientsLikeMe offers its members the audience to connect with others treatment with quasi issues and probe patient data related to their condition. For alcoholics and addicts, Sober Circle gives people in recovery the quality to communicate with one another and secure their improvement through the encouragement of others who can relate to their situation. Daily Strength is also a website that offers support groups for a wide array of content and setting; involve the support topics offered by PatientslikeMe and Sober Circle.

F.Social and Political Applications

Social networking sites have recently presented a value in social and governmental movements. In the discharege revolution, Facebook and Twitter both played an allegedly pivotal role in keeping people connected to the revolt.

G.Crowd Sourcing Applications

Crowd sourcing social media platform, such as Design Contest, Arcbazar, Tongal, combined group of professional freelancers, such as designers, and help them communicate with business publisher curious in their idea. This process is often used to subdivide tedious work or to fund-raise startup companies and charities, and can also occur offline.
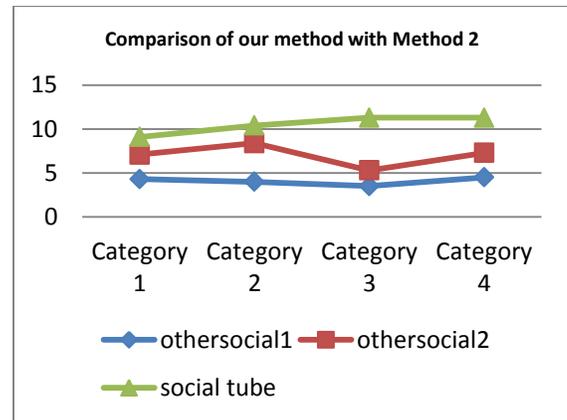
Fig: 1.5 Comparison of method.

VI.CONCLUSION AND FUTURE WORK

The **"Social Tube"** project fulfills the security of the files in the real time. Because for every of file there must be an owner to access those files in the application. Even though the file owner wants to delete a particular file they must give an access for any one of the member in their friends list who shared those files which is called by "File Revocation". When they want to deactivate their account, in that occasion also they must give an access for the member who is shared the particular file. No one can download the files and as well as no one can retrieve the original path of the files which make more security for the files.

FUTURE ENHANCEMENT

The social tube is developed with more advanced features in future the application will be implemented with few more features now the security concern is not concentrated in future the user can restrict their profile viewers and also can secure the database with shaone technique.

VII.REFERENCES

[1] "AccustreamiMedia Research Homepage," 2009. http://www.accustreamresearch.com

[2]. A. Barrios, M. Barrios, D. Vera, P. Bocca, and C. Rostagnol. Goal- Bit: A Free and Open Source Peer-to-Peer Streaming Network. In *Proc. of ACM Multimedia*, 2011.

[3] Bin Cheng, Lex Stein, Hai Jin, and Zheng Zhang, "Towards Cinematic Internet Video-on-Demand" in Proceedings of Eurosys 2008.

[4] Bin Cheng, Lex Stein, Hai Jin, and Zheng Zhang, "A framework for Lazy Replication in P2P VoD", in Proceeding of NOSSDAV 2008

[5] Bernstein, D. S., Feng, Z., Levine, B. N., Zilberstein, S. 2003. Adaptive peer selection.In Proceedings of the 2nd International Workshop on Peer-to-Peer Systems (IPTPS) 2003.

[6]. B. Cheng, L. Stein, H. Jin, X. Liao, and Z. Zhang. Grid cast: improving peer sharing for p2p VoD. *ACM TOMCCAP*, 2008.

[7]. C.-P. Ho, S.-Y. Lee and J.-Y.Yu.Cluster-based replication for P2P-based video-on-demand service.In*Proc. of ICEIE*, 2010.

[8]. Facebook passes google in time spent on site for first time ever. http://www.businessinsider.com/.

[9] N. Magharei and R. Rejaie, "PRIME: Peer-to-Peer Receiver-drIvenMEsh-based Streaming," in Proceedings of IEEE INFOCOM, 2007.

[10]Socialmedia, web 2.0 and inter http://thefuturebuzz.com/2009/01/12/social-media-web-20-internet-numbers-stats.

[11]. W. P. K. Yiu, X. Jin, and S. H. G. Chan. VMesh: Distributed Segment Storage for Peer-to-peer Interactive Video Streaming. *IEEE JSAC*, 2007.

[12] Xing Jin, Cheng Kan-Leung, Chan S.-H. Gary, "Island Multicast: Combining IP Multicast With Overlay Data Distribution", "IEEE transactions on multimedia , 2009, vol. 11, no.5, pp. 1024-1036

[13] Xing Jin, Cheng Kan-Leung, Chan S.-H. Gary, "Scalable island multicast for peer-to-peer streaming", Hindawi Publishing Corporation, Advances in Multimedia, Volume 2007, Issue 1, ISSN:1687-5680.

[14] X. Zhang, J. Liu, B. Li, and T. P. Yum, "CoolStreaming/DONet: A Data- Driven Overlay Network for Efficient Live Media Streaming," in IEEE INFOCOM, 2005.

[12] M. Wang and B. Li, "Lava: A reality check of network coding in peerto-peer live streaming," in Proceedings of IEEE INFOCOM, 2007.

Information Management (P2PIM), Vol. 152, Article N°59, Hong Kong, May 2006.

BIOGRAPHIES

A.ARUN PG scholar at SRM Valliammai Engineering College, Anna University of TamilNadu, India. He finished in UG BE Adhipara Shakthi of College. (2015) and finished Diploma in Computer technology (DCT). He focuses on research in Network Technology. He published many journal papers.