Cloud Based Bookmark Manager

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Abstract:

Cloud computing is the web based empowering agent for sharing of mechanical infrastructural assets, programming and computerized content, permitting them Infrastructure, Platforms, Software) to be offered on a compensation-for-use premise, similar to any utility assistance. Dramatic development in Computer capacities, extra-conventional pace of development in advanced substance utilization, trailed by unstable development of uses have brought forth the beginning of Cloud Computing. The bookmarks which are saved offline can be only accessed by the specific system. The bookmarks are stored in the cloud using platform-as-a-service. Platform-as-a-service (PaaS) is the following layer up – just as the basic stockpiling, organizing, and virtual servers this will likewise incorporate the instruments and programming that designers need to assemble applications on top of: that could incorporate middleware, database management, operating system, and development tools.

Key words: Platform-as-a-service (PaaS), Cloud Computing

INTRODUCTION

Bookmark managers assume a significant job in ordinary exploration and building an information base. They help in saving time and increment our effectiveness. Bookmark managers have significant highlights like: Import and fare of substance, sharing bookmarks via online media Organize bookmarks into applicable envelopes, Accessible on various gadgets, for example, mobiles, desktop, tablets, and so on Labels, marks and notes for the association of substance. That is the place where bookmark managers become an integral factor. Bookmarks help you monitor stuff on the web like the applications you need to explore, the locales you need to get to consistently, the articles you need to put something aside for some other time, etc. Bookmark supervisors permit you to save and coordinate your substance with the goal that you can view or utilize it later on.

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Bookmarks fill in as helpful alternate routes to often utilized Web Pages too authentic pointers to valuable data that may somehow be failed to remember. Bookmarks are document proxies highlighting unique records in "tertiary storage," the huge disseminated document framework situated in Web workers dispersed far and wide. Clients make their very own data space for the Web by making bookmarks, organizing the subsequent assortment, and dealing with its development. Individual data spaces have been concentrated in an assortment of settings Yet almost no exact examination on Web clients has been done and this exploration is the first inside and out observational investigation of individual Web data spaces. Our objective was to reveal essential parts of bookmarking conduct as a preface to demonstrating huge scope data documenting, in this manner giving a logical premise to the plan of future bookmark management systems.

Cloud computing

Cloud computing is the on-demand delivery of compute power, database, storage, applications, and other IT resources through a cloud services platform via the Internet with pay-as-yougo pricing. Whether you are running applications that share photos to millions of mobile users or you're supporting the critical operations of your business, a cloud services platform provides rapid access to flexible and low-cost IT resources. With cloud computing, you don't need to make large upfront investments in hardware and spend a lot of time on the heavy lifting of managing that hardware. Instead, you can provision exactly the right type and size of computing resources you need to power your newest bright idea or operate your IT department. You can access as many resources as you need, almost instantly, and only pay for what you use. Cloud computing provides a simple way to access servers, storage, databases and a broad set of application services over the Internet. A cloud services platform such as Amazon Web Services owns and maintains the network-connected hardware required for these application services, while you provision and use what you need via a web application.

2.1 LITERATURE REVIEW

2.1.1 Informing the design of shared bookmark system

In This paper we have studied the main requirements that a shared bookmark management system should meet. Design issued of such systems are also studied. A review of existing systems shows that almost all systems lack for adequate privacy protection services and provide poor performances inherited by choosing a centralized architecture. A proposition of a full distributed bookmark management system is made. The overall architecture is described. We are working now on defining the precise clustering technique to be used. In a first version of *CoWing* we will use an adapted version of an incremental classification system, called *Probis* (Malek, 1999) developed by the second author of this paper.

2.1.2 Cloud Computing and Security Issues—A Review of Amazon Web Services

The world congress on Internet Security survey [8] in 2013 indicated that there is always going to be a high demand for products providing security management. Since AWS gives its clients full control of an instance, it can be concluded that security is not only the responsibility of the cloud provider, but also of the client. Human beings are the weakest link, as they say. Another possible solution to the above-mentioned security issues can be that AWS should not allow services and clients to share account login information with each other. In addition, AWS users must read the tips and techniques for how to secure AWS before starting to use the service.

2.1.3 Implementation of Cloud computing Service Delivery Models (IAAS, PAAS) by AWS and Microsoft

Azure: A Survey

1. In this paper Amazon web services and Microsoft Azure are the two cloud service providers compared and the comparison is based on the different cloud computing service delivery

2. models mainly IAAS and PAAS as shown in Table I. Then in the security analysis we considered different cloud computing issues and the cloud services offered by these two service providers for the comparative study analysis. From this analysis we can conclude that both the services are providing them up to the mark services to the users/clients on respective

3. cloud service delivery models like IAAS and PAAS.

2.2.1 EXISTING SYSTEM

Bookmarks fill in as beginning stages for hypertext investigation. They are made and put away for chronicled purposes, and frequently not visited for quite a long time. Clients should gauge the expenses of getting sorted out bookmarks against the normal additions. Hence, bookmarking happens inside the setting of the clients' continuous data prerequisites and their evaluation of how significant current bookmarks will be to them later on. The bit of leeway for clients who keep a couple of bookmarks in a solitary rundown is that they can see the entirety of their bookmarks on the screen simultaneously. This procedure additionally limits current exertion. Notwithstanding, as the quantity of bookmarks builds, clients ordinarily utilize more refined authoritative methodologies, for example, progressions of organizers. Our outcomes demonstrate that a sizable extent of clients sort out their

bookmarks just when they need to, i.e., when a build-up of sloppy bookmarks is amassed. Proactive association of bookmarks will in general happen when individuals have huge quantities of bookmarks. Numerous clients with 300+ bookmarks will in general document at the hour of creation since they should stay up with the latest chronicle to oversee such countless bookmarks. For these clients the advantages of a modern hierarchical structure exceed the interruption from the perusing that is needed to record a bookmark.

Our examination utilized a poll and an investigation of bookmark records to get an underlying evaluation of how bookmarks are filed and why. Numerous inquiries stay to be replied: What happens when individuals attempt to oversee a huge number or even great many bookmarks? How do these outcomes rely on the bookmark the executive's capacities of the program? Do our outcomes hold with bigger examples of clients taken from more extensive populaces of clients? What different capacities do bookmarks serve? For instance, a psychological guides investigation of 27 clients proposes that clients may make bookmarks to customize the Web and structure the "haze of unmapped assets" as far as natural tourist spots, however further examination is required. Given the consistently expanding significance of the Web and its part as an overall vault of data, understanding the bookmarking cycle and creating fitting instruments for getting sorted out enormous quantities of bookmarks are probably going to become squeezing issues. This exploration establishes an observational framework for additional investigation of Web client conduct and the plan of bookmark management systems

2.3.1 PROPOSED SYSTEM

The cutting-edge bookmark manager, which permits you to save bookmarks as well as assemble pamphlets and substance pages for your sites from your saved links.it makes it simple for you to save content from around the web and afterward alter the title depiction and picture to customize each connection. You can save article joins, websites, white papers, recordings, cloud documents, online media posts and significantly more! You have the choice of saving substance to your connection library or adding it straightforwardly to content assortments you need to impart to your reality. It has a keen hunt highlight, which permits you to look through your saved substance like a breeze! additionally has a strong RSS Feed Reader which permits you to add RSS channels as bookmarks and afterward read them voluntarily without advertisements and interruptions. The outstanding amongst other visual bookmarks overseeing expansions for saving your connections. At the point when you save content with Chrome Extension you can pick a picture to outwardly speak to that bit of substance or take a screen capture. You can likewise alter the title, depiction and marks to add notes. Perhaps best of all,

you can save bookmarks for yourself, however when you need to impart them to others you can undoubtedly package them and offer them as an excellent email bulletin, single page, insert them on your site/blog or make social bio links.

Advantages

Straightforward: Save any online substance as a bookmark with Chrome Extension.

Various Templates: allows you to browse an assortment of wonderful formats with single and network style designs to show your bookmarks.

Real-Time Editing: Quickly alter or update any data you have bookmarked on the page from your dashboard, and it will refresh continuously.

Limitless Bookmarks: There are no restrictions to the number of bookmarks you can save.

Smart Search: Smart Search permits you to handily look through your bookmarks.

Screen captures: bookmark administrator permits you to take screen captures of the substance you need to save and make sharing cordial.

Bookmark Any Web Content: useful asset permits you to minister and share any online substance that has a connection. Which incorporates recordings, online courses, webcasts articles, pictures, infographics, PDF's, Google Docs, Dropbox documents and that's only the tip of the iceberg.

Assemble Newsletters: Create delightful curated pamphlets from joins.

Site Pages: Create content pages like press pages, news source, asset pages for your site.

2.4.1 Objectives

Bookmarks allude to saved URLs put away in a client's program that permit snappy admittance to sites without retaining the connection.

Most internet browsers have a default Bookmarks/Favourites menu that rundowns all saved bookmarks for a single tick access. To fairly oversee bookmarks programs generally offer a method for

making an organizer which allows some degree of classification of the executives. A helpful option in contrast to utilizing program bookmark menus are Bookmark Managers. Generally speaking, they widen the usefulness of customary bookmarks menus and add extra usefulness and highlights.
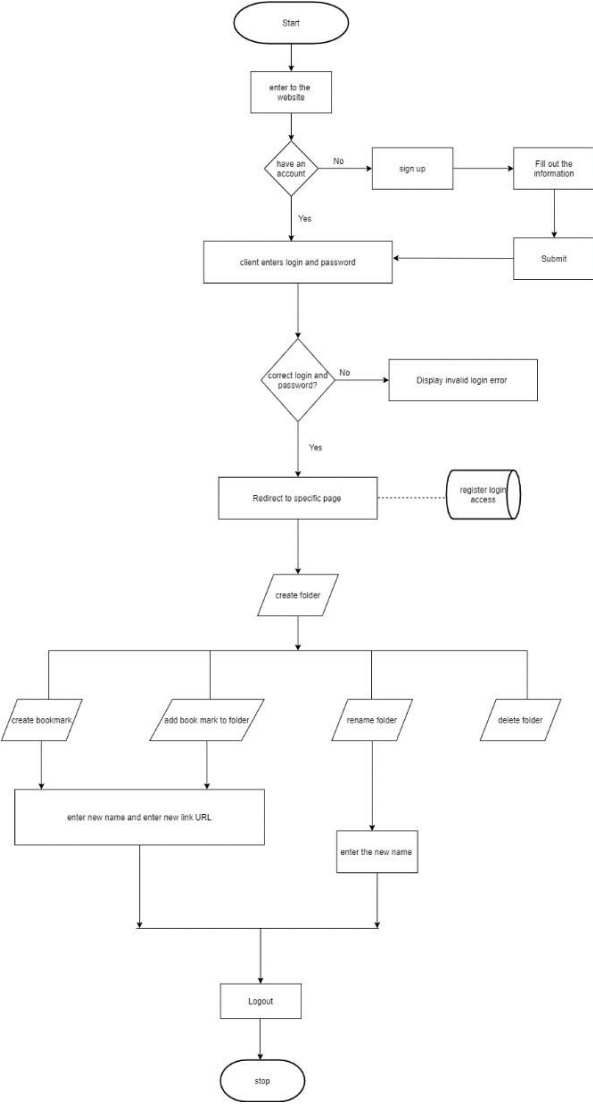

Fig 1.1 Proposed System for Book Mark System

The **login**   **page** allows   a   user   to gain **access** to an application by entering their username and password. User have account go to the login page otherwise select the sign-up option

They permit you to get to all the website pages you have bookmarked from the web browser on any gadget as long as you have a internet connection. This is redirect to signup page then enter the valid username and password. Suppose user enter the nonvalid information,the browser give the alert message liike " **ENTER THE VALID USER NAME**" . User enter the correct username password otherwish show the error message like"**INVALID LOG-IN ERROR**" click the login button redirect to specific page. Create folder then access the other bookmark option display on the page.there are multiple option to manupulating the book mark like delete,add bookmark,rename,move,etc… Choose Create book mark automatically appear the create book mark dialog box, enter the particular URL and Name.Rename option display the new rename text box,enter the new name then click ok button.Logout option signing off from an account.then go back to the login page

CONCLUSION

In this paper we have studied the main requirements that a shared bookmark management system should meet. Design issued of such systems are also studied. A review of existing systems shows that almost all systems lack for adequate privacy protection services and provide poor   performances inherited by choosing a centralized architecture. A proposition of a full distributed bookmark management system is made. The overall architecture is described. We are working now on defining the precise clustering technique to be used. In a first version of *CoWing* we will use an adapted version of an incremental classification system. Bookmarks serve as starting points for hypertext exploration. They are created and stored for archival purposes, and often not visited for months. Users must weigh the costs of organizing bookmarks against the expected gains. Thus, bookmarking takes place within the context of the users' ongoing information requirements and their assessment of how important current bookmarks will be to them in the future. The advantage for users who maintain a few bookmarks in a single list is that they can see all of their bookmarks on the screen at the same time. This strategy also minimizes current effort. However, as the number of bookmarks increases, users typically employ more sophisticated organizational strategies such as hierarchies of folders. Our results indicate that a sizable proportion of users organize their bookmarks only when they have to, i.e., when a backlog of unorganized bookmarks is accumulated. Proactive organization of bookmarks tends to occur when people have large numbers of bookmarks. Many users with 300+ bookmarks tend to file at the time of creation because they must keep an up-todate archive in order to manage so many bookmarks. For these users the benefits of an up-to date organizational structure outweigh the distraction from the browsing that is required to file a bookmark.

Our study used a questionnaire and an analysis of bookmark files to obtain an initial assessment of how bookmarks are archived and why. Many questions remain to be answered: What happens when people try to manage many hundreds or even thousands of bookmarks? How do these results depend upon the bookmark management capabilities of the browser? Do our results hold with larger samples of users taken from broader populations of users? What other functions do bookmarks serve? For example, a

mental maps study of 27 users in suggests that users may create bookmarks to personalize the Web and structure the "*cloud of unmapped resources*" in terms of familiar landmarks, but further study is needed. Given the everincreasing importance of the Web and its role as a general repository of information, understanding the bookmarking process and developing appropriate tools for organizing large numbers of bookmarks are likely to become pressing issues. This research lays an empirical foundation for further study of Web user behaviour and the design of bookmark management systems.

REFERENCES

1. Abrams, D., Baecker, R., and Chignell, M, (1998). Information Archiving with Bookmarks: Personal Web space Construction and Organization. In Proceedings of ACM Conference on Human Computer Interactions (CHI'98), Los Anglos, 18-23 Avril pp. 41-48. Abrams, D. (1997) Human Factors of Personal Web Information Spaces. MS Thesis, Departement of Computer Sciences, University of Torento, 1997, Also available as http://www.dgp.torento.edu/~abra ms Balabanovic, M. and Shoham Y. Fab: Content-based collaborative recommendation. Communication of the ACM 40,3 (March 1997), pp. 88-89.

2. Bouthors V., and Dedieu O. (1999).   Pharos, a Collaborative Infrastructure for Web Knowledge Sharing. In Proceedings of the third European Conference On Research and Advanced Technology for Digital Libraries (ECDL'99) (Abiteboul S., and Vercoustre A. Eds), LNCS No 1696, Paris september, 1999, pp. 215-233

3. Foner, L.N. (1999) Political Artifacts and Personal Privacy: The Yenta Multi-Agent Distributed Matchmaking System, PhD Thesis, Massachustts Institute of Technology, june 1999. Glance, N., Arregui, D., and Dardenne M. (1999) Making Recommender Systems Work for Organizations. In Proceedings of PAAM'99, London April 1999.

4. Glance, N., Arregui, D., and Dardenne, M. (1997) Knowledge Pump: Community-centred Collaborative Filtering. In Proceedings of the 5th DELOS Workshop ob Filtering and Collaborative Filtering, Budapest, 10-12 November, 1997.

5. Grudin, J. (1994) Groupware and Social Dynamics: Eight challenges for developers. Communication of the ACM 37,1 (January 1994), pp. 92-105.

6. Kanawati, R, (1997) Groupware : Architectural and Control Issues, PhD Thesis, Institut National Polytechnic de Grenoble, november, 1997, 173 pages (In french).

7. Kanawati, R. (1998) COLT: Yet Another Integrated Collaborative Environment. In Proceedings of the third International Conference on the Design of Cooperative Systems (Dareses, F., and Zaraté, P. Eds) Volume II Cannes 26-29 May 1998, pp. 99-102

8. Lim, J-G., (1994) Using Cool-lists to Index HTML Documents in the Web, In Proceedings of the 2nd International Conference on the World Wide Web (WWW'2) Chicago, IL, 1994 pp. 831-938. Also http://www.ncsa.uiuc.edu/SDG/IT9 4/Proceedings/Searching/lim/coolli st.html

9. Karthick, R., et al. "Overcome the challenges in bio-medical instruments using IOT–A review." Materials Today: Proceedings (2020). https://doi.org/10.1016/j.matpr.2020.08.420

10. Karthick, R., et al. "A Geographical Review: Novel Coronavirus (COVID-19) Pandemic." A Geographical Review: Novel Coronavirus (COVID-19) Pandemic (October 16, 2020). Asian Journal of Applied Science and Technology (AJAST)(Quarterly International Journal) Volume 4 (2020): 44-50.

11. Sathiyanathan, N. "Medical Image Compression Using View Compensated Wavelet Transform." Journal of Global Research in Computer Science 9.9 (2018): 01-04.

12. Karthick, R., and M. Sundararajan. "SPIDER-based out-of-order execution scheme for Ht-MPSOC." International Journal of Advanced Intelligence paradigms 19.1 (2021): 28-41. https://doi.org/10.1504/IJAIP.2021.114581

13. Sabarish, P., et al. "An Energy Efficient Microwave Based Wireless Solar Power Transmission System." IOP Conference Series: Materials Science and Engineering. Vol. 937. No. 1. IOP Publishing, 2020. doi:10.1088/1757-899X/937/1/012013

14. Vijayalakshmi, S., et al. "Implementation of a new Bi-Directional Switch multilevel Inverter for the reduction of harmonics." IOP Conference Series: Materials Science and Engineering. Vol. 937. No. 1. IOP Publishing, 2020. doi:10.1088/1757-899X/937/1/012026

15. Karthick, R., and M. Sundararajan. "Hardware Evaluation of Second Round SHA-3 Candidates Using FPGA (April 2, 2014)." International Journal of Advanced Research in Computer Science & Technology (IJARCST 2014) 2.2.

16. Karthick, R., et al. "High resolution image scaling using fuzzy based FPGA implementation." Asian Journal of Applied Science and Technology (AJAST) 3.1 (2019): 215-221.

17. Subramanian, AT Sankara, et al. "A review on selection of soft magnetic materials for industrial drives." Materials Today: Proceedings 45 (2021): 1591-1596

18. Meenalochini, P., and S. P. Umayal. "Comparison of Current Controllers on Photo Voltaic Inverters Operating as VAR Compensators." Journal of Electrical Engineering The Institution of Engineers, Bangladesh Vol. EE 38.

19. Kalavalli, C., et al. "Dual loop control for single phase PWM inverter for distributed generation." Materials Today: Proceedings 45 (2021): 2216-2219.

20. Karthick, R., A. Manoj Prabaharan, and P. Selvaprasanth. "A Dumb-Bell Shaped Damper with Magnetic Absorber using Ferrofluids." International Journal of Recent Technology and Engineering (IJRTE) 8 (2019).

21. Haq, S. Syed Abdul, et al. "A sinusoidal pulse width modulation (SPWM) technique for capacitor voltage balancing of nested I-type four-level inverter." Materials Today: Proceedings 45 (2021): 2435-2439.

22. Rohini, S., and J. Jeyashanthi. "Improved Performance of Photovoltaic Inverters Utilizing in VAR Mode." Irish Interdisciplinary Journal of Science & Research (IIJSR) 4.1 (2020): 15-20.

23. P. Sabarish, R. Karthick, A. Sindhu, N. Sathiyanathan, Investigation on performance of solar photovoltaic fed hybrid semi impedance source converters, Materials Today: Proceedings, 2020, https://doi.org/10.1016/j.matpr.2020.08.390

24. Karthick, R., A. Manoj Prabaharan, and P. Selvaprasanth. "Internet of things based high security border surveillance strategy." Asian Journal of Applied Science and Technology (AJAST) Volume 3 (2019): 94-100.

25. Karthick, R., and M. Sundararajan. "A novel 3-D-IC test architecture-a review." International Journal of Engineering and Technology (UAE) 7.1.1 (2018): 582-586.

26. Karthick, R., and M. Sundararajan. "Design and implementation of low power testing using advanced razor based processor." International Journal of Applied Engineering Research 12.17 (2017): 6384-6390.

27. Karthick, R., and M. Sundararajan. "A Reconfigurable Method for TimeCorrelatedMimo Channels with a Decision Feedback Receiver." International Journal of Applied Engineering Research 12.15 (2017): 5234-5241.

28. Karthick, R., and M. Sundararajan. "PSO based out-of-order (ooo) execution scheme for HT-MPSOC." Journal of Advanced Research in Dynamical and Control Systems 9 (2017): 1969.

29. Karthick, R. "Deep Learning For Age Group Classification System." International Journal Of Advances In Signal And Image Sciences 4.2 (2018): 16-22.

30. Karthick, R., and P. Meenalochini. "Implementation of data cache block (DCB) in shared processor using field-programmable gate array (FPGA)." Journal of the National Science Foundation of Sri Lanka 48.4 (2020). http://doi.org/10.4038/jnsfsr.v48i4.10340

31. Suresh, Helina Rajini, et al. "Suppression of four wave mixing effect in DWDM system." Materials Today: Proceedings (2021). https://doi.org/10.1016/j.matpr.2020.11.545

32. M. Sheik Dawood, S. Sakena Benazer, N. Nanthini, R. Devika, R. Karthick, Design of rectenna for wireless sensor networks, Materials Today: Proceedings, 2021. https://doi.org/10.1016/j.matpr.2020.11.905

33. M. Sheik Dawood, S. Sakena Benazer, R. Karthick, R. Senthil Ganesh, S. Sugirtha Mary, Performance analysis of efficient video transmission using EvalSVC, EvalVid-NT, EvalVid, Materials Today: Proceedings,2021. https://doi.org/10.1016/j.matpr.2021.02.287.