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**Adoptive Cloud Application in Semantic Web**

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**ABSTRACT**

*Cloud computing has been envisioned as the next-generation architecture of IT enterprise. In contrast to traditional solutions, where the IT services are under proper physical, logical and personnel controls, cloud computing moves the application software and databases to the large data centers, where the management of the data and services may not be fully trustworthy. This unique attribute, however, poses many new security challenges which have not been well understood. In this article, we focus on cloud data storage security, which has always been an important aspect of quality of service. To ensure the correctness of users' data in the cloud, we propose an effective and flexible distributed scheme with two salient features, opposing to its predecessors. By utilizing the homomorphic token with distributed verification of erasure-coded data, our scheme achieves the integration of storage correctness insurance and data error localization, i.e., the identification of misbehaving server (s). Unlike most prior works, the new scheme further supports secure and efficient dynamic operations on data blocks, including: data update, delete and append. Extensive security and performance analysis shows that the proposed scheme is highly efficient and resilient against Byzantine failure, malicious data modification attack, and even server colluding attacks.*

**Keywords:** *Cloud Computing; Semantic Web; Foreign Language Teaching; Web Search Engines.*

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**1.0 Introduction**

The common Image of Internet nowadays shows that up to 500 million users have access to more than 3 billion pages of Internet resources. Main Problems emerge in information search, extraction, representation, interpretation and maintenance because no support in processing of this information is provided. The guessed effect of resolving problems in Knowledge Management, Integration Framework and e-commerce fields draws the best minds and research groups to active efforts, which will bring World Wide Web to qualitatively new level of service. Commonly web content is static, part of resources presents dynamic web content, and only a small amount of them are services provided in the Web. Web services can significantly increase the potential of Web architecture by providing a way of automated program communication, discovery of services, new kind of distributed components integration and e-commerce.

Presence of Web Services as a technology is highly connected with initiatives to create e-commerce systems based on Internet and Integration Framework problem.

“Web Services” term refers to available programmatic interfaces that are used in the World Wide Web for application-to-application communication.

Since the past of web services idea many problems of the web have become apparent: human based technology doesn't provide infrastructure for machine-readable data in the World Wide Web.

Even for human the problem of search for required data in Internet sometimes becomes insuperable.

For applications it turns even worse: autonomous applications have to discover existing services and the general problem of service discovery can hardly be done without support of the bundle of technologies that create semantic data based Web Services Infrastructure.

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Keeping Web Services on a hill of performance and to make this technology flexible and adaptable for the whole variety of services that can be advertised in the web, many global problems have to be considered. Important problems of Internet concerning Web Services are:

- A. Data Transfer in the internet.
- B. Infrastructure of Web Services.
- C. Reliable Centralized systems.
- D. Services discovery and composition.
- E. Traffic Management

**2.0 Proposed Encryption Method**

Quer Processing at Peer Pi Let LT query represents the list of topics in the query.

Let n represents the no of topics in the LT query.

For each  $\alpha$  dist  $L_{pi} \geq n$ , online or offline,

If  $LT \text{ query} \cap L_{Pi} LT = LT_{query}$ , propogate the query, online/offline

If  $LT \text{ query} \cap L_{Pi} LT = \{\}$ , forward the query to all the neighbours in  $L_{Pi}$  online/offline.

Search engines are Programs that search documents for specified keywords and returns a list of the documents where the keywords were found. A search engine is really a general class of programs, however, the term is often used to specifically describe systems like Google, Bing and Yahoo! Search that enable users to search for documents on the World Wide Web. Search engines are Programs that search documents for specified keywords and returns a list of the documents where the keywords were found. A *search engine* is really a general class of programs, however, the term is often used to specifically describe systems like Google, Bing and Yahoo! Search that enable users to search for documents on the World Wide Web.

**3.0 Web Search Engines**

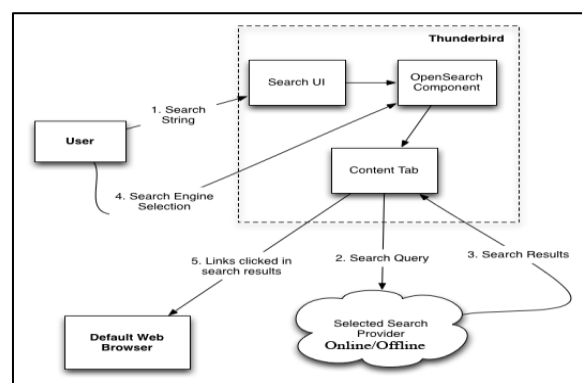
Typically, Web search engines work by sending out a spider to fetch as many documents as possible. Another program, called anindexer, then reads these documents and creates an index based on the words contained in each document. Each search engine uses a proprietary algorithm to create its

indices such that, ideally, only meaningful results are returned for each query.

**4.0 Desktop Search Engines**

Desktop search tools search within a user's own computer files as opposed to searching the Internet. These tools are designed to find information on the user's PC, including web browser history, e-mail archives, text documents, sound files, images, and video. One of the main advantages of desktop search programs is that search results arrive within a few seconds or less; Microsoft Windows search companion "can be some help, but it searches through Windows files and folders only, not e-mail or contact databases, and unless you enable the Indexing Service (in Windows 2000 or XP), the Windows search tool is extremely slow." MS Windows Vista enables the indexing service by default. We Designed a Search Engine On Cloud Computing Environment (Windows Azure Simulator) which Combine All the OnLine Search Engines (Google, Bing, MSN, Altavista and Yahoo etc.) and Desktop Search Engines in one Application, User Can Make searh online aswell as offline at a same time additionally in online with choice of any search Engine (Google, Bing, MSN, Altavista and Yahoo etc).

**Fig 1: Process of Search Engine**



**5.0 Conclusion**

To get the best search engine visibility, We follow the Five Basic Rules of Web Design, which state that a web site should be:

- Easy to read
- Easy to navigate
- Easy to find
- Consistent in layout and design
- Quick to download

By following these rules, we have build our application project to satisfy target audience. The added benefit of following these rules is that both directory editors and search engines are looking for these same characteristics.

The following design components help form the foundation of an effective search engine marketing program:

- Text component
- Link component
- Popularity component

Web pages that contain the words that your target audience is typing into search queries generally have greater search engine visibility than pages that contain little or no keywords.

The way your web pages are linked to each other also affects your site's search engine visibility. If search engine spiders can find your pages quickly and easily, our App has a much better chance of appearing at the top of search results.

If two web sites have the same text component and link component "weights," the site that end users click the most will usually rank higher. Sometimes, a popular web site will consistently rank higher than sites that use plenty of keywords. Therefore, building a site that appeal to both directory editors and your target audience is very important for maximum search engine visibility.

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