Distributed Knowledge Management System Cloud Computing

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Abstract: The increasing popularity of cloud computing, more and more data owners are motivated to outsource their data to cloud servers for great convenience and reduced cost in data management. However, sensitive data should be encrypted before outsourcing for privacy requirements, which obsoletes data utilization like keyword-based document retrieval. It present a secure multi-keyword ranked search scheme over encrypted cloud data, which simultaneously supports dynamic update operations like deletion and insertion of documents. Specifically, the vector space model and the widely-used TF_IDF model are combined in the index construction and query generation. It construct a special tree-based index structure and propose a "Greedy Depth-first Search" algorithm to provide efficient multi-keyword ranked search. The secure KNN algorithm is utilized to encrypt the index and query vectors, and meanwhile ensure accurate relevance score calculation between encrypted index and query vectors. In order to resist statistical attacks, phantom terms are added to the index vector for blinding search results. Due to the use of our special tree-based index structure, the proposed scheme can achieve sub-linear search time and deal with the deletion and insertion of documents flexibly. Extensive experiments are conducted to demonstrate the efficiency of the proposed scheme.

I.INTRODUCTION

Query Analyzer offers a quick and dirty method for performing queries against any of your SQL Server databases. It's a great way to quickly pull information out of a database in response to a user request, test queries before implementing them in other applications, create/modify stored procedures and execute administrative tasks. SQL Profiler provides a window into the inner workings of your database. You can monitor many different event types and observe database performance in real time. SQL Profiler allows you to capture and replay system "traces" that log various activities. It's a great tool for optimizing databases with performance issues or troubleshooting particular problems. Service Manager is used to control the MS SQL Server (the main SQL Server process), MSDTC (Microsoft Distributed Transaction Coordinator) and SQL Server Agent processes. An icon for this service normally resides in the system tray of machines running SQL Server. You can use Service Manager to start, stop or pause any one of these services. Data Transformation Services (DTS) provide an extremely flexible method for importing and exporting data between a Microsoft SQL Server installation and a large variety of other formats. The most commonly used DTS application is the "Import and Export Data" wizard found in the SQL Server program group.

II.SOFTWARE DESCRIPTION

C# is an object-oriented programming language developed by Microsoft Corporation. C# source code as well as those of other .NET languages is compiled into an intermediate byte code called Microsoft Intermediate Language. C# is primarily derived from the C, C++, and Java programming languages with some features of Microsoft's Visual Basic in the mix. C# is used to develop applications for the Microsoft .NET environment. .NET offers an alternative to Java development. Microsoft's Visual Studio .NET development environment incorporates several different languages including ASP.NET, C#, C++, and J# (Microsoft Java for .NET), all of which compile to the Common Language Runtime. A new form of iterate employs co-routines via a functional-style yield keyword similar to the one found in the Python language. Anonymous methods provide closure functionality. Generics or parameterized types support some features not supported by C++ templates such as type constraints on generic parameters. However, expressions cannot be used as generic parameters as in C++ templates. In contrast to the Java implementation, parameterized types are first class objects in the virtual machine, allowing for optimizations and preservation of type information. Null able value types facilitate interaction with SQL databases. Sample null able type declaration: in Variable Name = null; Partial types allow the separation of a class implementation into more than one source file. This feature was implemented primarily so Visual Studio generated code can be kept separate from developer code. C# version 3.0 introduces several language extensions to support higher order, functional style class libraries. The extensions enable the construction of compositional APIs with the expressive power of query languages in areas such as relational databases and XML. C# 3.0 will include the following new features: Anonymous types: topple types automatically inferred and created from object initializes. Object initializes ease construction and initialization of objects.

III.EXISTING SYSTEM

SQL Server is such a rich and powerful that most people where to begin when they start using it.

SQL Server makes it easy for users even beginners to work with databases, you can Create Table, Edit data and use queries to find the data you want with very little effort, and SQL Server includes wizards that can do the work of designing data entry forms, reports and mailing labels for you. SQL Server also makes it easy for develops to create applications. It includes as entire programming language, visual basic for applications, and its interface is so powerful that developers can create many custom applications without programming. SQL Server reports and macros are powerful enough to do most of the work that use to require programming. When users learn SQL Server that often find they have to wade through long discussions of power features to learn about the simple features they need to work with on their own data. The help system is so extensive and complex discussion of properties, expressions and other advanced features along with instructions on the basis of creating tables, queries, simple forms, reports and mailing labels, which average the user actually needs. SQL Server has become the best-selling database management

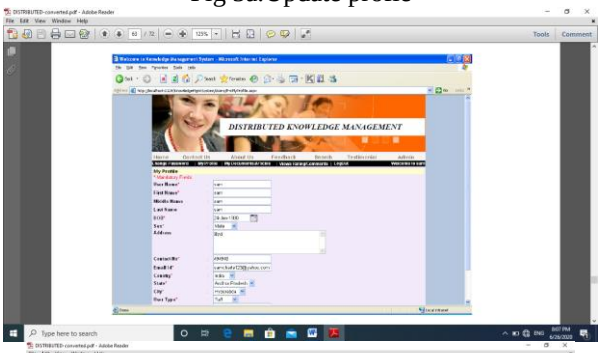
programs because of its combination of power and ease of use. It is powerful enough that developers can use it to create entire applications. Yet it is easy enough to use that in a short time, beginners can learn to manage their own data with SQL Server. In others database management programs; the term database is sometimes used to refer to tables that hold data. SQL Server uses the term more broadly. An SQL Server database consists of the tables that hold the data and all he related objects such as quires, forms and reports that are used to manage the data. Microsoft SQL Server will probably be an option on the programming menu, which you select to start the program.

IV.PROPOSED SYSTEM

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.it is User friendliness is provided in the application with various controls the system makes the overall project management much easier and flexible Readily upload the latest updates, allows user to download the alerts by clicking the URL. There is no risk of data mismanagement at any level while the project development is under process. It provides high level of security with different level of authentication Organization and preparation of functional tests is focused on requirements, key functions, or special test cases. In addition, systematic coverage pertaining to identify Business process flows; data fields, predefined processes, and successive processes must be considered for testing. Before functional testing is complete, additional tests are identified and the effective value of current tests is determined. Organization and preparation of functional tests is focused on requirements, key functions, or special test cases. In addition, systematic coverage pertaining to identify Business process flows; data fields, predefined processes, and successive processes must be considered for testing. Before functional testing is complete, additional tests are identified and the effective value of current tests is determined. When you open a database, SQL Server displays the database window sometimes called as the database container, because it contains all the objects that make up the database. Query, which lets you select which data from a table is displayed. You can specify which fields are displayed, enter criteria to specify which records are displayed and specify the sort order of these records.

V.RESULTS AND DISCUSSION

Fig 5a.Update profie



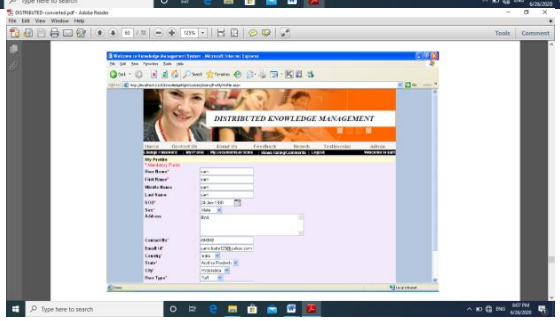


Fig 5b.Manage user type

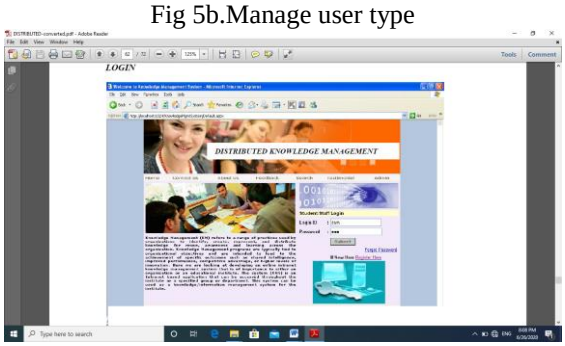


Fig 5c. Admin profile

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfaction, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

VI.CONCLUSION

The decision on whether or not an organization should outsource a part of their business is a complicated one, and should not be taken lightly. Searching for short-term cost savings is not a bad idea, but choosing outsourcing based solely on cost reduction

or tactical problems is a short-term solution and will undermine a company's potential for long term success. The organization should have sufficient management skills and the ability to adapt new behaviors and processes to successfully manage an external part of their business. These skills should include knowledge management abilities and a willingness to apply them to a new and more challenging situation. Tacit knowledge must specifically be considered when planning an outsourcing strategy, particularly if the component of the business to be outsourced already exists internally and valuable institutional knowledge will be lost. The transfer of tacit knowledge can have a profound effect on quality and overall strategic business value. Cultural and language barriers add challenges to the already difficult process of transferring tacit knowledge and are of particular concern in cases of cross-border outsourcing. Finally, once a decision has been made to outsource aspects of a business, specific knowledge management strategies can be implemented that will maximize the benefits that are available from a decentralized business model.

VII.REFERENCE

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