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DATABASE MANAGEMENT SYSTEMS

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Abstract:

Information base manage system (MBBT) is data base information in order put, save, change and get enable giver software supply. MBBT data with work for comfortable the interface provides also saved of information safety, integrity, availability and work provides .

Keywords: : In the article one how many known MBBT, their main features and applications discussion will be done .

INTRODUCTION.

1. Oracle data base: corporate in the sector wide applied the most famous commerce from MBBTs one it is high productivity, scalability and data reliability provides. Oracle applications make up exit and data base manage for very many features and tools supports .

2. MySQL: Many years During the web development exits by applied the most famous open coded from MBBTs one MySQL _ installation and to use easy, comfortable work and wide to opportunities have

3. Microsoft SQL Server: On the Windows platform work for intended commerce data base it is information base work exit and manage for strong to tools have and integration last data base manage for intended data analysis and report to give such as wide scope features and technologies supports .

4. PostgreSQL: reliability, data integrity and SQL standards support with famous open data base PostgreSQL geographical properties, JSON, full textual search and another many advanced features supports.

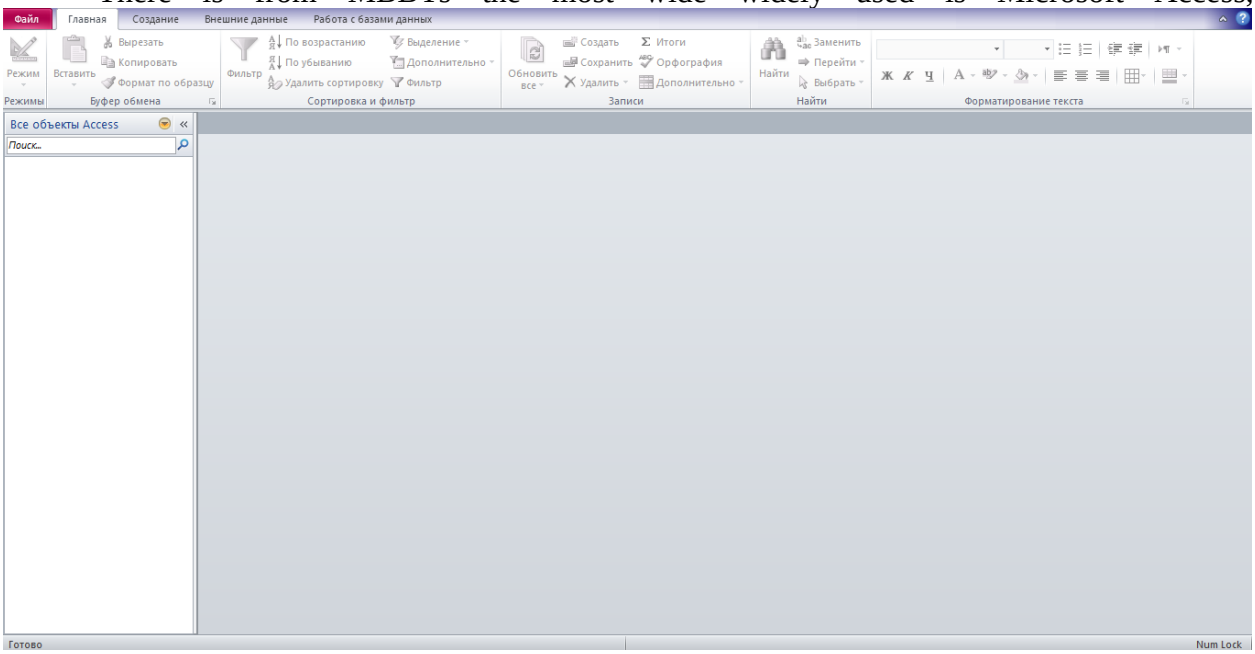
5. MongoDB: NoSQL MBBT, relational from MBBTs to JSON similar format flexible data from the structure use with difference does MongoDB high in volume not structured information storage and again work for suitable will come .

From this except, in the article project requirements come came out without data base choose issues, different data bases with performance, scalability and reliability point of view in terms of comparative analysis do as well as data bases with to work optimization methods seeing

output can Also in the field of MBBT modern trends, for example, cloudy data bases and information again work for artificial from the intellect to use remind transition it is permissible .

Information base manage systems. In the car information supply Create for custom ADT– data base manage from systems is used . Information base manage data insert them to fix and data with to work, that is add, no to make , separate get, modernize and others own into takes Work developed MBBTs they are with working practical of programs data bases of information sure organize from being done strength provides. Data organize reach style looking at them distinguished: network , hierarchical, distributed, relational MBBT.

There is from MBBTs the most wide widely used is Microsoft Access,



Microsoft FoxPro, Paradox (Borland Corporation), as well as Oracle, Informix, Ingres, Sybase, Progress and others MBBTs.

Information base manage system MBBT data create bases (MB). and of them to use to manage which provides common or special purposeful software supply and linguistic tools collection .

MBBT is it data base Create and information manipulation do (add, update, delete and select) allows giver programs collection. System security, storage reliability and data integrity provides also information base manage tools present is enough

of MBBT main functions

- external data in memory (disks). management;
- disk cache using in RAM information management;
- changes to the list get, from failures after data base back up and recovery;
- data base their languages support (data determination language, data manipulation to do language).

Content of MBBT

Usually, modern MBBT follows components own into takes:

- external and in RAM memory information manage and to the magazine to write for in charge has been kernel;
- information get and change and the rule as, from the car independent executable internal the code Create for requests optimizer data base language processor;
- with MBBT user interface creator information manipulation to do programs reviewer the work the time support lower system;
- information system storage for one series addition opportunities provider service programs (external helper programs).

Classifications of MBBT

Information model according to

- Hierarchical
- Network
- Relational
- to the object directed
- to the object related

Distribution level according to

- Local MBBT (local of MBBT all parts one on the computer located)
- Scattered MBBT (parts of MBBT only one not but two or from him more than on computers is located to be can).

Information to the base access methods according to

- File servers
    - File -server data in the base data files central respectively file on the server located MBBT har one customer on the computer (work station) is located . MBBT data local network through entersReading and updates synchronization file blockages using done is increased. This of architecture advantage file low CPU load on the server. Disadvantages: potential high local network load centralized of management difficulty or possible that it is not; high reliability, high availability and high safety such as important features present of reaching difficulty or possible that it is not They are most of the time data base manage from functions which uses local in applications is used; information again low intensity of work and data low loads on the base has been in systems .

Current at the time file server technology outdated considered from him big information in systems use shortcoming as is being considered.

Examples: Microsoft Access, Paradox, dBase, FoxPro, Visual FoxPro.

Client - server

Client -server MBBT data base with together on the server is located is the data to the base direct, exclusive in mode access provides. of customers information again work according to all requests client -server by MBBT central way again is processed.

Client -server MBBT disadvantages to the server of requirements is an increase.

Advantages : potential respectively local network load reduce centralized of management convenience; high reliability, high availability and high safety such as important features present reach convenience

Examples: Oracle Database, Firebird, Interbase , IBM DB2, Informix, MS SQL Server, Sybase Adaptive Server Enterprise, PostgreSQL , MySQL, Caché , LINTER.

Installed . Built-in MBBT is by itself installation procedure Demand without doing software of the product one part as present to be done possible has been MBBT. Installed MBBT program information local storage for intended and on the network common use for not intended .

Physical installed MBBT often plugin library as done is increased. App by to information access SQL or special program interfaces through done increase can

Examples: OpenEdge, SQLite, BerkeleyDB, Firebird Embedded, Microsoft SQL Server Compact, Linter.

Information base manage systems (MBBT) business or organization information to manage which provides software are tools. They are data from the base information create, edit, save and get enable will give.

Most famous data base manage to systems the following includes :

1.MySQL: It's open code is MBBT, it is different applications, including websites and electron commerce applications for wide is used.

2. Oracle: This is a big one enterprises and in organizations wide applied relational data base manage system .

3. Microsoft SQL Server: It is on Windows platform wide applicable Microsoft information base manage system and enterprises for famous is a choice.

4. PostgreSQL: This is very a lot feature and opportunities supports strong and flexible open code MBBT.

5. MongoDB: This is to JSON similar document format information storage and again work enable giver to the document directed NoSQL data base

6. SQLite: This is mostly installed systems and mobile devices in applications applied light MBBT.

These are just a few of the many database management systems available. Certain data base choose each one sure project or of the organization requirements and advantages depend

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