

The program development system

Integrated Application Development System

Application development system based on a relational database management system

Visual software development

Rapid Application Development by Drag & Drop

Platform-independance

Port applications without modifications

Scalability

High performance even with large sets of data

Application server

Client/Server architecture for optimized availability

Data security

Online backup

Open interfaces

ODBC and COM for bi-directional data exchange with other database systems and applications

Ready for Internet

Open for web applications and e-business



CONZEPT 16 – Database & more

CONZEPT 16 is an application development tool based on a relational database management system. It runs under a wide variety of operating systems and in all PC-networks. CONZEPT 16 not only is a development tool for programmers who wish to quickly create an individual application, but also a database system allowing non-programmers and users to build databases of their own design. Programmers and non-programmers alike will find it easy to define record structures, reports, data input forms, record browsers and the like.

Since CONZEPT 16 takes care of all the protection functions and mechanisms in multi-user systems, a thorough knowledge of the internal workings in networks is not required. One of the most distinguishing features of CONZEPT 16, however, is the capability to process even extremely large sets of data at a constantly high speed.

Database model

The core element of the CONZEPT 16 database model is the data realm. The data realm houses all data and all the application's components in consistent form. Dynamic linkage of data during runtime allows for great flexibility in record access.

Scalability and portability

CONZEPT 16 is running in single-user systems, in peer-to-peer networks and in server-based networks. CONZEPT 16 has been designed to process even the largest sets of data at high speed.

Client/Server-version

The Client/Server-version of CONZEPT 16 allows you to utilize your network's resources to the maxi-

mum effect. The database server is available for different Operating Systems.

Server-architecture

The CONZEPT 16 database-server comes as a 32/64-bit multi-threaded program. It supports closed nested transactions and transaction logging as well as automatic deadlock recognition and elimination. Of course, it also features database maintenance functions such as diagnostics, rollback, recovery and database repair. Diagnostics and repair are permitted in running applications, allowing the CONZEPT 16 database-server to be in operation for 24 hours a day.

Designer

The CONZEPT 16 dialog-designer is an essential part of the application developer's environment. It provides all the tools required to design the user interface. Drag and drop makes it easy to create dialogs and other components such as record browsers. A wide array of standard attributes can be attached to each individual element of a dialog. The functionality behind the user interface is established by procedures, which are written in CONZEPT 16's own programming language. An integrated source-level debugger ensures debugging and verification of the source code.

Report generator

CONZEPT 16 features a comprehensive and powerful report generator allowing you to generate reports of complex structure. Reports are based on forms designed with the graphical form designer.

Queries and filters

Queries are employed to retrieve specific records from the wealth of data

stored in a database. CONZEPT 16 allows multi-file queries on any database field and features a filtering function. Filtering enables you to narrow down the data to be accessed by up to 100 levels, thus speeding up the process of selection considerably.

Procedures

Along with dialogs, procedures are the core elements of any CONZEPT 16 application. Procedures are written in a programming language close to C/C++ and then compiled into a portable P-Code. Procedures can be used to generate dialogs dynamically during runtime. The processing of the P-Code is carried out by a platform-neutral code-manager and -interpreter.

Runtime environment

CONZEPT 16 applications can be run under various platforms without modifications (even simultaneously in heterogeneous operating).

In Client/server-mode TCP/IP is used as communication protocol. Access to a database is controlled by an integrated multi-level user system.

External data exchange

ODBC and COM allow bidirectional data exchange between CONZEPT 16 databases, SQL-databases and external programs. Other programming languages such as C, C++, Delphi etc. can access CONZEPT 16 using the Windows programming interface (DLL).

Internet/Intranet

A web-interface enables the use of CONZEPT 16 in internet- and intranet-applications. With CONZEPT 16, you can create even extensive solutions, where the application is generated by CONZEPT 16 procedures.

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