

IBEXPERT DEVELOPER STUDIO

... the only tools you'll ever need!



IBExpert KG

IBEXPERT DEVELOPER STUDIO

Configure and customize your working environment as you want it.

Database Registration

Server: Remote, Server name: localhost/3021, Protocol: TCP/IP, Server Version: Firebird 2.1

Database File: C:\FB3021\examples\empbuild\EMPLOYEE.FDB

Database Alias: Employee_2_1

User Name: SYSDBA, Password: [masked], Role: [empty], Charset: UTF8

Client Library File: C:\FB3021\bin\fbclient.dll

Database registration

Environment Options

Stripy Grids, Scrollbars tracking, Show text blobs as memo, Immediate editor, Allow records grouping, Enable tooltips, Enable navigation using Tab and Shift+Tab keys, Allow multiselect, Full refresh (close and open dataset) when Refresh button clicked

Font Characters Set: ANS_CHARSET

Environment Options

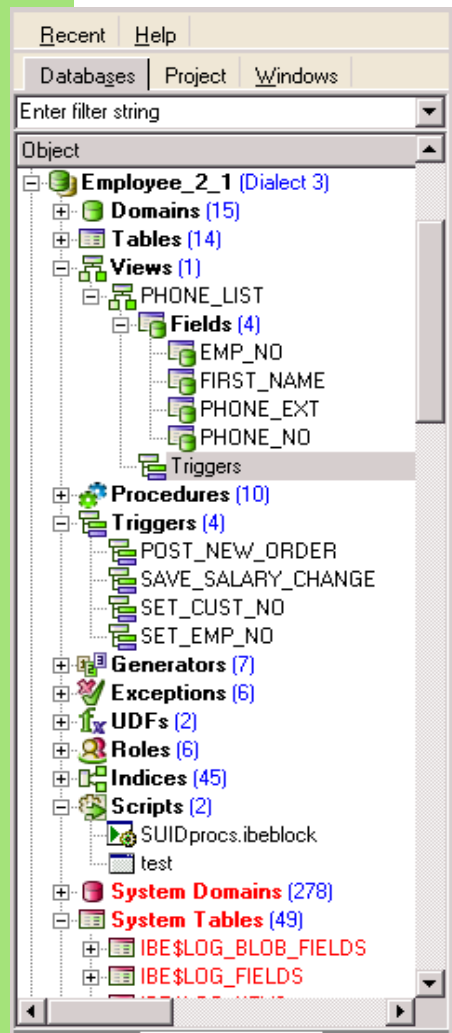
ID	Type	Item text	Original text	Shortcut	Lc
1668	Action	DB Explorer	DB Explorer	F11	
1293	Action	Tables	Tables	Ctrl+Alt+T	
1294	Action	Views	Views	Ctrl+Alt+V	
1300	Action	Roles	Roles	Ctrl+Alt+L	
1296	Action	Procedures	Procedures	Ctrl+Alt+P	
1295	Action	Triggers	Triggers	Ctrl+Alt+R	
1297	Action	Generators	Generators	Ctrl+Alt+G	
1298	Action	Exceptions	Exceptions	Ctrl+Alt+E	
1299	Action	UDFs	UDFs	Ctrl+Alt+U	
1063	Action	New Folder	New Folder	Shift+Ctrl+F	
1069	Action	Show SQL Assistant	Show SQL Assistant	Ctrl+A	

Localizing Form



IBExpert KG

IBEXPERT DEVELOPER STUDIO



DB Explorer

All databases and database objects are stored in the IBE expert DB Explorer, the main database navigator.

You can sort your database objects into projects, and view database and object details in the SQL Assistant below it.

#	K...	FK	Fields	Type	Domain	Descr
1			EMP_NO	SMALLINT	EMPNO	
2			FIRST_NAME	VARCHAR(15)	FIRSTNAME	
3			PHONE_EXT	VARCHAR(4)	RDB\$7	
4			PHONE_NO	VARCHAR(20)	PHONENUMBER	

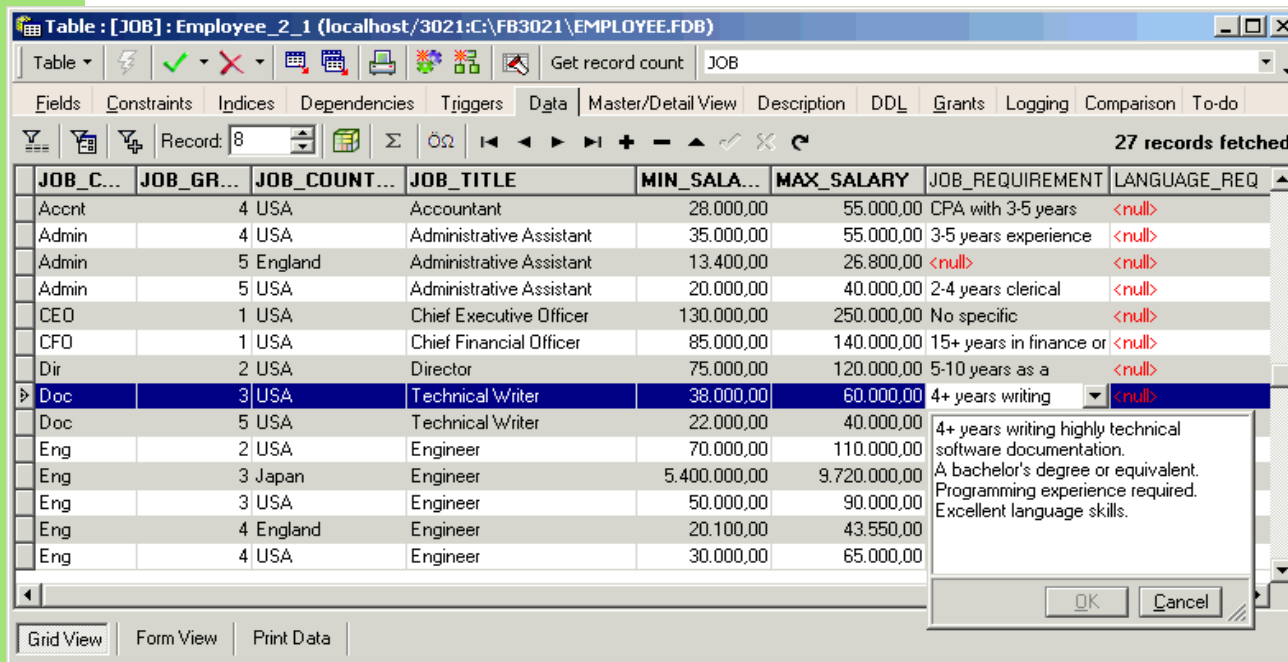
SQL Assistant



IBExpert KG

IBEXPERT DEVELOPER STUDIO

All database objects can be created, altered and deleted in the IBExpert Object Editors:



JOB_C...	JOB_GR...	JOB_COUNT...	JOB_TITLE	MIN_SALA...	MAX_SALARY	JOB_REQUIREMENT	LANGUAGE_REQ
Acctn	4 USA		Accountant	28.000,00	55.000,00	CPA with 3-5 years	<null>
Admin	4 USA		Administrative Assistant	35.000,00	55.000,00	3-5 years experience	<null>
Admin	5 England		Administrative Assistant	13.400,00	26.800,00	<null>	<null>
Admin	5 USA		Administrative Assistant	20.000,00	40.000,00	2-4 years clerical	<null>
CEO	1 USA		Chief Executive Officer	130.000,00	250.000,00	No specific	<null>
CFD	1 USA		Chief Financial Officer	85.000,00	140.000,00	15+ years in finance or	<null>
Dir	2 USA		Director	75.000,00	120.000,00	5-10 years as a	<null>
Doc	3 USA		Technical Writer	38.000,00	60.000,00	4+ years writing	<null>
Doc	5 USA		Technical Writer	22.000,00	40.000,00	4+ years writing highly technical software documentation.	<null>
Eng	2 USA		Engineer	70.000,00	110.000,00	A bachelor's degree or equivalent.	<null>
Eng	3 Japan		Engineer	5.400.000,00	9.720.000,00	Programming experience required.	<null>
Eng	3 USA		Engineer	50.000,00	90.000,00	Excellent language skills.	<null>
Eng	4 England		Engineer	20.100,00	43.550,00		<null>
Eng	4 USA		Engineer	30.000,00	65.000,00		<null>

IBExpert Table Editor

- multiple pages
- customized toolbars for each editor and page
- right-click context-sensitive menus throughout
- customizable short cuts



IBExpert KG

IBEXPERT DEVELOPER STUDIO

For queries and hand-coding, use IExpert's SQL Editor

print results

The screenshot displays the IExpert Developer Studio SQL Editor interface. The main window shows a query: `select * from emp_dept`. Below the query, a table of 21 records is displayed, with columns: HEAD_DEPT, DEPARTMENT, MNGR_NAME, TITLE, and EMP_CNT. The records list various departments and their respective managers and employee counts.

Below the table, there is a 'Print Data' button. To the right, a 'Performance Info' window is open, showing a table with columns: #, Statement, Timestamp, Prepare (ms), Execute (ms), Indexed Rea..., Non-Indexed Rea..., Inserts, Updates, and Deletes. The table shows performance metrics for three different statements.

Below the performance info, there is a 'Messages' window showing the execution plan for the query. The plan shows the following steps:

- EMPLOYEE (42 records)
- DEPARTMENT (41 records)

The plan also shows the number of non-indexed reads (0) and indexed reads (42) for the EMPLOYEE table, and non-indexed reads (0) and indexed reads (41) for the DEPARTMENT table.

compare queries

analyze performance

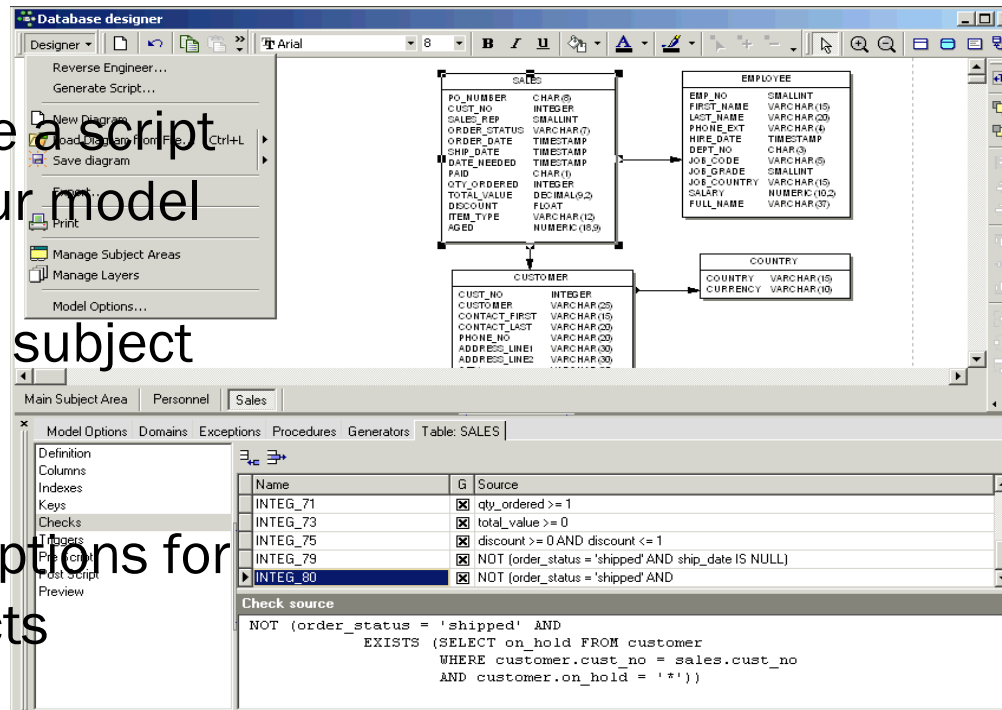


IExpert KG

IBEXPERT DEVELOPER STUDIO

Database Designer

- generate a script from your model
- manage subject areas
- model options for all objects



- create a new database visually
- manipulate an existing database
- or reverse engineer your database to create a model.



IBExpert KG

IBEXPERT DEVELOPER STUDIO

IBEBlock

IBExpert's own script extensions

A set of DDL, DML and other statements that are executed on the server and on the client side, including some specific constructions applicable only in IBExpert or IBEScript, independent of the database server version.

- work with different connections within a single IBEBLOCK at the same time
- move (copy) data from one database to another
- join tables from different databases
- compare data from different databases and synchronize them
- populate a table with test data using random values or values from other tables or even from other databases
- access external databases via ODBC drivers
- transaction control across multiple databases
- integration of many IBExpert functions in batch files
- dispatch and receive e-mails

... and much more



IBExpert KG

IBEXPERT DEVELOPER STUDIO

Further features include:

- Visual Query Builder
- User & Grant Manager
- ODBC Viewer
- SP/Triggers/Views Analyzer
- Stored procedure & trigger debugger
- Search, extract & print metadata
- Compare table & database data
- Generate test data
- Data Analysis/OLAP function
- Report Manager
- HTML documentation generator
- Integrated Communications Diagnostic
- Advanced import & export functions
- Multilingual

... and now with full Unicode support!



IBExpert KG

IBExpert Developer Studio

IBExpert Developer Studio isn't just the IDE you've seen here. It also includes:

- **IBExpert Server Tools**
automate your routine administration tasks
- **IBExpertWebForms**
create database-based web applications without any html knowledge
- **IBExpertDemoDB**
ideal for benchmark testing
- **IBExpertLive**
over 200 hours of lectures and tutorials



IBExpert KG

IBEXPERT DEVELOPER STUDIO

And all our products are supported by:

- **Comprehensive online documentation**
www.ibexpert.com/doc
- **Support forums**
www.firebirdexperts.com
- **Newsgroups**
news://ibexpert.info/interbase.ibexpert.en

A fully-functional 45-day IBExpert trial version is available at:

www.ibexpert.com/download



IBExpert KG

IBEXPERT DEVELOPER STUDIO

Further information:

www.ibexpert.com

info@ibexpert.com

Purchase:

www.ibexpert.com/shop



... the only tools you'll ever need!



IBExpert KG