

Joining tables from different databases

The following example illustrates how to join two tables from different databases:

```
execute ibeblock (iii integer, ivc varchar(100))
returns (id integer, ename varchar(100), company varchar(100))
as
begin

-- drop database 'localhost/3060:c:\db1.fdb' user 'SYSDBA' password
'masterkey' clientlib 'C:\Program Files\Firebird\bin\fbclient.dll';

-- drop database 'localhost/3060:c:\db2.fdb' user 'SYSDBA' password
'masterkey' clientlib 'C:\Program Files\Firebird\bin\fbclient.dll';

create database 'localhost/3060:c:\db1.fdb' user 'SYSDBA' password
'masterkey'
page_size 4096 sql_dialect 3
clientlib 'C:\Program Files\Firebird\bin\fbclient.dll';

create database 'localhost/3060:c:\db2.fdb' user 'SYSDBA' password
'masterkey'
page_size 4096 sql_dialect 3
clientlib 'C:\Program Files\Firebird\bin\fbclient.dll';

create connection db1 dbname 'localhost/3060:c:\db1.fdb'
password 'masterkey' user 'SYSDBA'
clientlib 'C:\Program Files\Firebird\bin\fbclient.dll';

create connection db2 dbname 'localhost/3060:c:\db2.fdb'
password 'masterkey' user 'SYSDBA'
sql_dialect 3
clientlib 'C:\Program Files\Firebird\bin\fbclient.dll';

use db1;

vstmt = 'create table "employees" ( ' || '
    id integer not null primary key,
    full_name varchar(100),
    company_id integer)';

execute statement :vstmt;

commit;

use default;

select count(*) from help_items into :icount;
```

```
use db1;

insert into "employees" (id, full_name, company_id) values (1, 'Alexander Khvastunov', 2);
insert into "employees" (id, full_name, company_id) values (2, 'Bill Gates', 1);
insert into "employees" (id, full_name, company_id) values (3, 'John Doe', NULL);
insert into "employees" (id, full_name, company_id) values (4, 'Vladimir Putin', 3);
insert into "employees" (id, full_name, company_id) values (5, 'Somebody', 15);

use db2;
execute statement
'create table companies (
    id integer not null primary key,
    company_name varchar(100))';

commit;

insert into companies (id, company_name) values (1, 'Microsoft');
insert into companies (id, company_name) values (2, 'HK-Software');
insert into companies (id, company_name) values (3, 'The Kremlin?');

commit;

use db1;

for execute statement 'select id, full_name, company_id from "employees"'
into :id, :ename, :cid
do
begin
    use db2;

    company = NULL;

    select company_name from companies
    where id = :cid
    into :company;

    suspend;
end

close connection db1;
close connection db2;
end
```

From:
<https://www.ibexpert.com/docu/> - **IBExpert**

Permanent link:
<https://www.ibexpert.com/docu/doku.php?id=06-ibexpert-ibeblock-examples:joining-tables-from-different-databases>

Last update: **2023/05/26 18:15**

