

# **Procedure of installation**

## **OMEGA NETWORK 7 Win32**

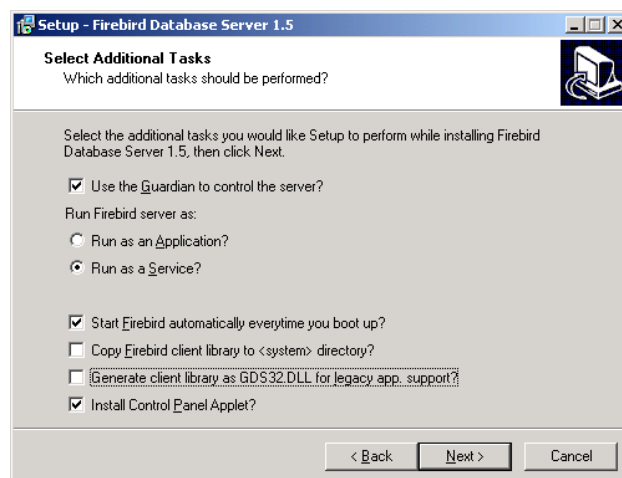
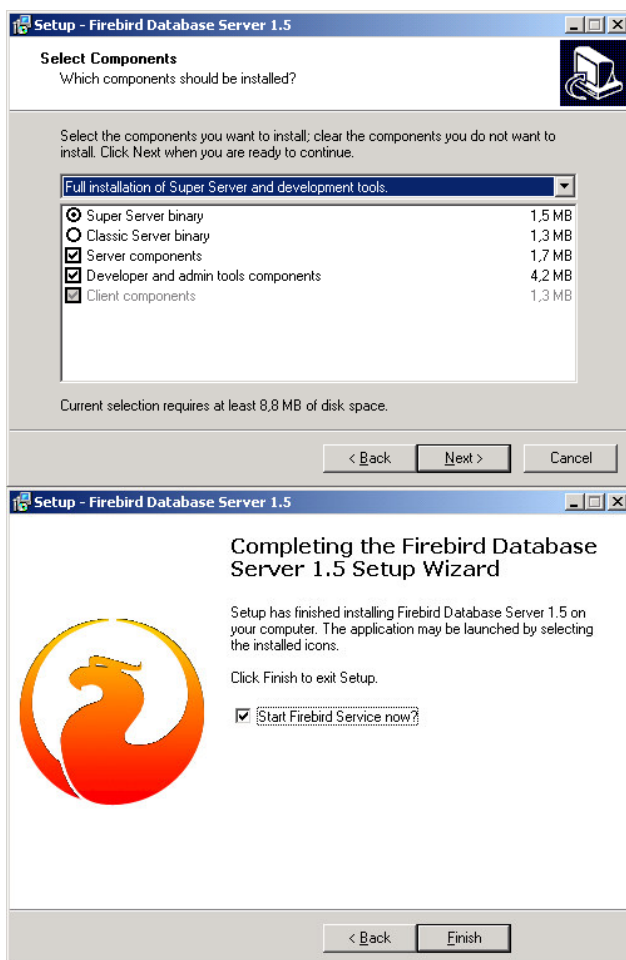
### **and**

## **Relational DB Server Firebird 1.5 Win32**

Rev	Data	Descrizione modifica	Preparato e verificato	
0	27-feb-2006	Prima stesura	A.Caielli	

# 1 RDBMS Firebird 1.5 -- Win32

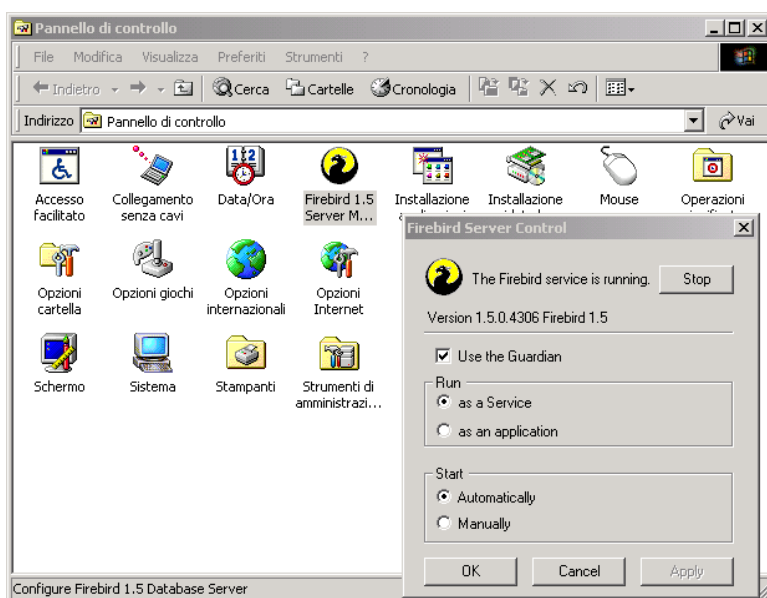
First of all, it is necessary to execute the RDBMS installation program:  
Firebird-1.5.0.4306-Win32.exe  
(If a previous version is installed, it is better to uninstall it before) .



Only if the system is Win98 o WinME  
**Run as a Service** is not available, the mandatory choice will be **Run as an Application**.

Then a PC reboot will be necessary.

RDBMS will be displayed in the control panel (no icon in systray, near the watch):



If it is used Win98 or WinME this item is not displayed in the control panel, the Firebird server start up is verifiable clicking on the systray icon near the watch.



Create the directory where the network programs will be resident.

```
d:\> mkdir net7
d:\>
```

Edit the file `C:\Programmi\Firebird\Firebird_1_5\aliases.conf` and add:

```
...

omega = d:\net7\omega.fdb
```

where `d:\net7\` is the disc and directory where the Network programs will be resident.

It is necessary to create the user `omega` (from dos prompt)

```
C:\Programmi\Firebird\Firebird_1_5\bin> gsec -user sysdba -password masterkey

GSEC> add omega -pw omega

GSEC> display

      user name                      uid    gid      full name
-----
SYSDBA                      0      0
OMEGA                      0      0

GSEC> q

C:\Programmi\Firebird\Firebird_1_5\bin>
```

Remember that `GSEC> delete omega` clear the user `omega`.  
Then it is necessary to create the Omega data base through alias (from DOS prompt):

```
C:\Programmi\Firebird\Firebird_1_5\bin> isql

Use CONNECT or CREATE DATABASE to specify a database

SQL> create database "omega" user "omega" password "omega";

SQL> exit;

C:\Programmi\Firebird\Firebird_1_5\bin>
```

At this point the file `d:\net7\omega.fdb` (the empty data base) must be present .

The TCP/IP default port used by the Firebird server is **3050**.

## 2 Network 7 -- Win32 (with Firebird)

Go in dir `d:\net7\` and extract the program `net-7.2.10-win32.zip`

```
d:\net7> unzip -o net-7.2.10-win32.zip
...
d:\net7>
```

copy `net7.ini.frm` into `net7.ini` (be sure that it is not read only)

Edit, if it is necessary, `net7.ini` for the parameters DBType, DBName, DBUser and DBPassword:

```
...
[COMMON]
# Tipo di RDBMS
# DBType=FIREBIRD          (default)
# DBType=PGSQL
# Se definita, ha la precedenza la variabile d'ambiente OMEGA_DBTYPE
DBType=FIREBIRD

# IP Address RDBMS Server
# DBHostIp=127.0.0.1      (default = localhost)
# DBHostIp=126.126.50.99
# Se definita, ha la precedenza la variabile d'ambiente OMEGA_DBHOSTIP

# Parametri per la connessione al DB Omega
# - Default FIREBIRD:
# DBName=omega
# DBUser=omega           SYSDBA
# DBPassword=omega       masterkey
#

DBName=omega
DBUser=omega
DBPassword=omega

# - Default PGSQL:
# DBName=omega
# DBUser=omega
# DBPassword=

# Parametro specifico per RDBMS
# - Per FIREBIRD: path di security.fdb
# DBParameter1=C:\Programmi\Firebird\
# DBParameter1=/opt/firebird/
# - Per PGSQL: non utilizzato

CSVSeparator=;

# Scegliere tra ITA,ENG,FRA,DEU,BEL,ESP,PRT,NONE
Language=ENG

[NETSRV]
...
```

Initialize the database using `netauto initdb > intdb.log` (from DOS prompt)

```
d:\net7> netauto initdb > initdb.log
Inizializzazione DISTRUTTIVA del Database omega
WI-V1.5.0.4306 Firebird 1.5

Premere Y per continuare...
Inizializzazione in corso...

d:\net7>
```

If there is no error, the Omega data base has been created with all the tables empty.

Create in "Automatic execution" a link to `d:\net7\netsrv.exe X END SLEEP5`

The `END` parameter is used for possible reset of the internal semaphore allowing only one connection to the the data base. In case of the PC sudden power off, this semaphore could remain ON because of the anomalous conclusion of `netsrv.exe`.

The parameter `SLEEP5` is used to wait for 5 seconds before connecting to the database. In such a way it is sure that RDBMS is completely working. It is possible to add also the `NOLOGOFF` parameter to ignore the disconnection by the user executing `Netsrv` (if this parameter is not used, the logoff user ends also `Netsrv`).

Create in "Desktop" a link to `d:\net7\netcli.exe`

For small systems (monouser) it is possibile to run `nersrv` at the first execution of `nercli` (that is with no add in "automatic execution").

To do that it is necessary to edit `net7.ini` and to modify the parameter OfflineCmd:

```
...
[NETCLIENT]
# Nel caso non sia online netsrv, si puo' eseguire il comando specificato
# CHE DEVE ESSERE ESEGUITO IN BACKGROUND
# (per default non viene eseguito nulla)
# - Esempio per Linux
# OfflineCmd=nohup netsrv.exe &
# - Esempi per Windows
# OfflineCmd=start /MIN netsrv.exe X
# OfflineCmd="netsrvwl.lnk"

OfflineCmd=start netsrv.exe X END
```

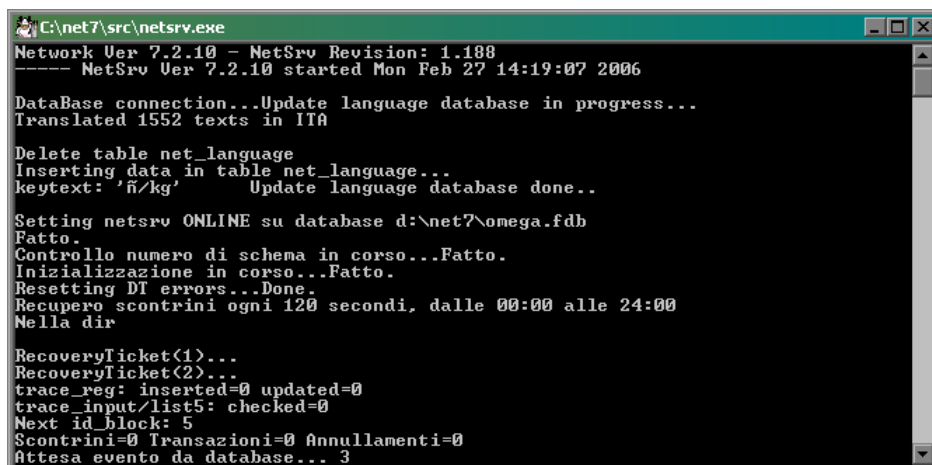
This setting must be avoided if more clients are connected to `netsrv` and in case of distributed systems. In this case, the link in "Automatic execution" is absolutely necessary.

If there is a file CSV containing the data referring to an other installation, these data can be acquired using the command:

```
netauto csv mybackup.csv
```

where `mybackup.csv` is the name of the file to be imported.

At the first running of `netsrv`, all the messages in the proper language will be loaded in the internal table `net_language`:



```
C:\net7\src\netsrv.exe
Network Ver 7.2.10 - NetSrv Revision: 1.188
----- NetSrv Ver 7.2.10 started Mon Feb 27 14:19:07 2006

DataBase connection...Update language database in progress...
Translated 1552 texts in IIA

Delete table net_language
Inserting data in table net_language...
keytext: 'n/kg' Update language database done..

Setting netsrv ONLINE su database d:\net7\omega.fdb
Fatto.
Controllo numero di schema in corso...Fatto.
Inizializzazione in corso...Fatto.
Resetting DT errors...Done.
Recupero scontrini ogni 120 secondi, dalle 00:00 alle 24:00
Nella dir

RecoveryTicket(1)...
RecoveryTicket(2)...
trace_reg: inserted=0 updated=0
trace_input/list5: checked=0
Next id_block: 5
Scontrini=0 Transazioni=0 Annullamenti=0
Attesa evento da database... 3
```

To close `netsrv` it is necessary to press `q`.

For debugging, it is possibile to create in "desktop" a link to the interactive interpreter of the SQL commands:

```
C:\Programmi\Firebird\Firebird_1_5\bin\isql -user omega -password omega omega
```