System Description

Windows XP Professionell
Firebird-1.5.0.4306-Win32.exe
IBO 4.3.Aa
Delphi 7E

Problem Description

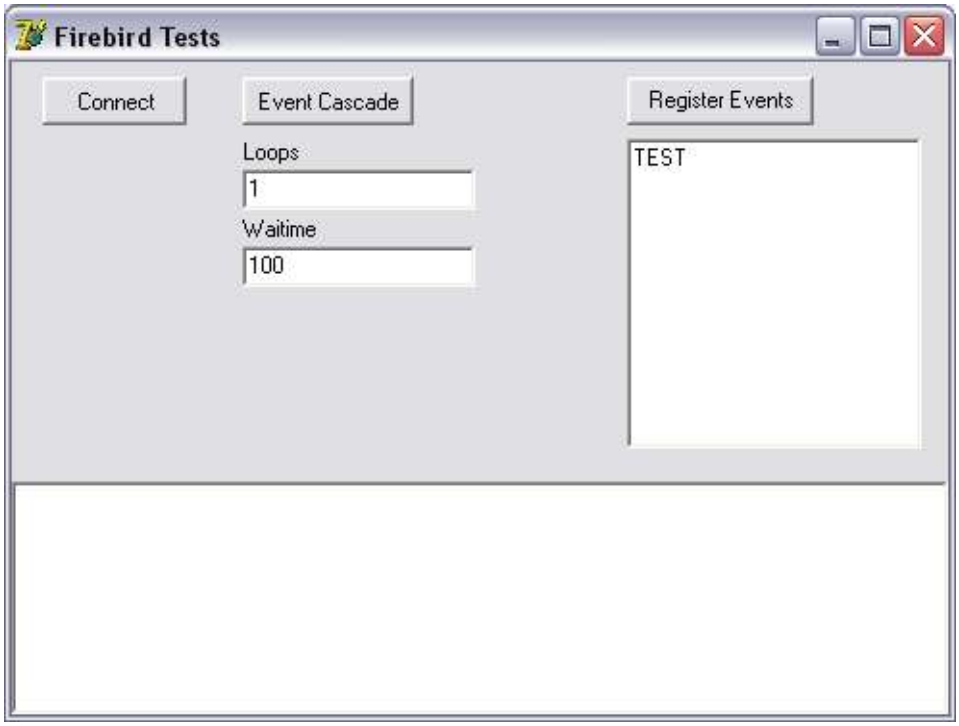
1. a client is connected and has registered it's events with TIB_EVENTS.
2. The Networkconnection of this client is detached (closing the networkconnection or removing the connection phyiscally)
3. The Client terminates with error and the connection created by this client remains (after some time it will be removed)
4. After starting the client again the POST_EVENT for one of the Events the client with the lost networkconnection was registered for results in a database engine (fbserver) on 100 Percent CPU Load. The system is very slow in this state. This can only be solved by restarting the engine.

The Test Program

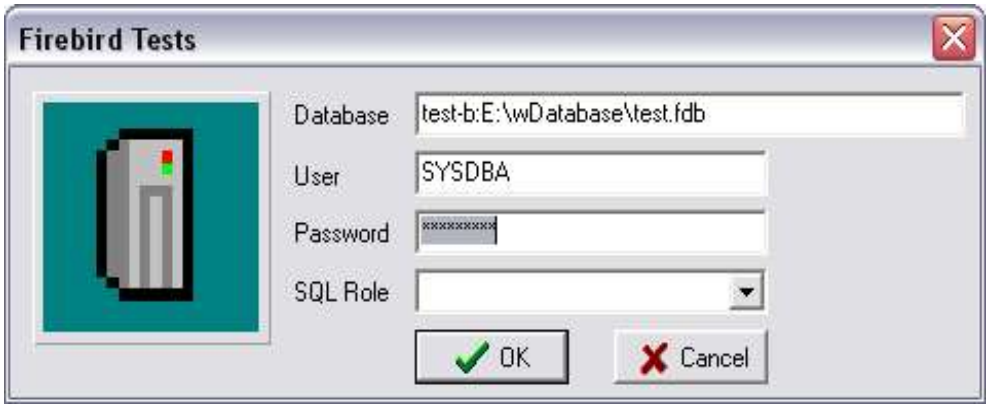
1. we need a database with only one stored procedure on one pc

```
CREATE PROCEDURE EVENT_POSTING (
   EVNAME VARCHAR (50))
AS
BEGIN
  POST_EVENT :EVNAME;
  exit;
END
```

2. Start the test program on another pc with a firebird client SW installed and a network connection to the server.

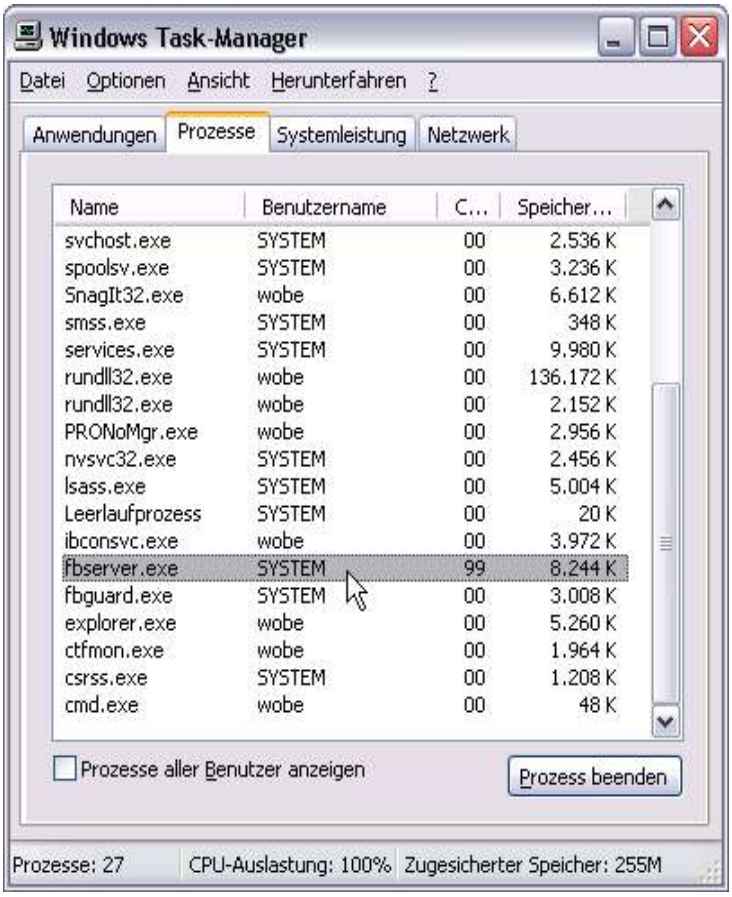


3. Enter an event name and hit the Register Events button. You'll get a Login screen.



4. Enter the name of the test database on the server, user ans password.
5. After connecting sucessfully the event(s) is (are) registered. Now deactivate the network connection.
6. You'll get an error message

7. close the test program and activate the networkconnection again.
8. Start two instances of the testprogram and register the event like described in 2 and 3. Use the same eventname.
9. On the other instance of the testprogram enter the same name of the event and hit connect. After logging in hit Event Cascade. This will post an event by calling the stored procedure described in 1.
10. This should result in 100Percent CPU load on ther server


Windows Task-Manager
Datei Optionen Ansicht Herunterfahren ?
Anwendungen Prozesse Systemleistung Netzwerk
Name Benutzername C... Speicher...
svchost.exe SYSTEM 00 2.536 K
spoolsv.exe SYSTEM 00 3.236 K
SnagIt32.exe wobe 00 6.612 K
smss.exe SYSTEM 00 348 K
services.exe SYSTEM 00 9.980 K
rundll32.exe wobe 00 136.172 K
rundll32.exe wobe 00 2.152 K
PRONoMgr.exe wobe 00 2.956 K
nvsvc32.exe SYSTEM 00 2.456 K
lsass.exe SYSTEM 00 5.004 K
Leerlaufprozess SYSTEM 00 20 K
ibconsvc.exe wobe 00 3.972 K
fbserver.exe SYSTEM 99 8.244 K
fbguard.exe SYSTEM 00 3.008 K
explorer.exe wobe 00 5.260 K
ctfmon.exe wobe 00 1.964 K
csrss.exe SYSTEM 00 1.208 K
cmd.exe wobe 00 48 K
Prozesse aller Benutzer anzeigen
Prozess beenden
Prozesse: 27 CPU-Auslastung: 100% Zugesicherter Speicher: 255M