FireBird utilities wrapper by Leybasoft™

ENG*: This application is a GUI wrapper for the standard Firebird database utilities. The application is designed to automate the routine maintenance of database files.

The application is supported for Windows, Linux and Darwin(not tested!).

Bug reports and comments are welcome. :)

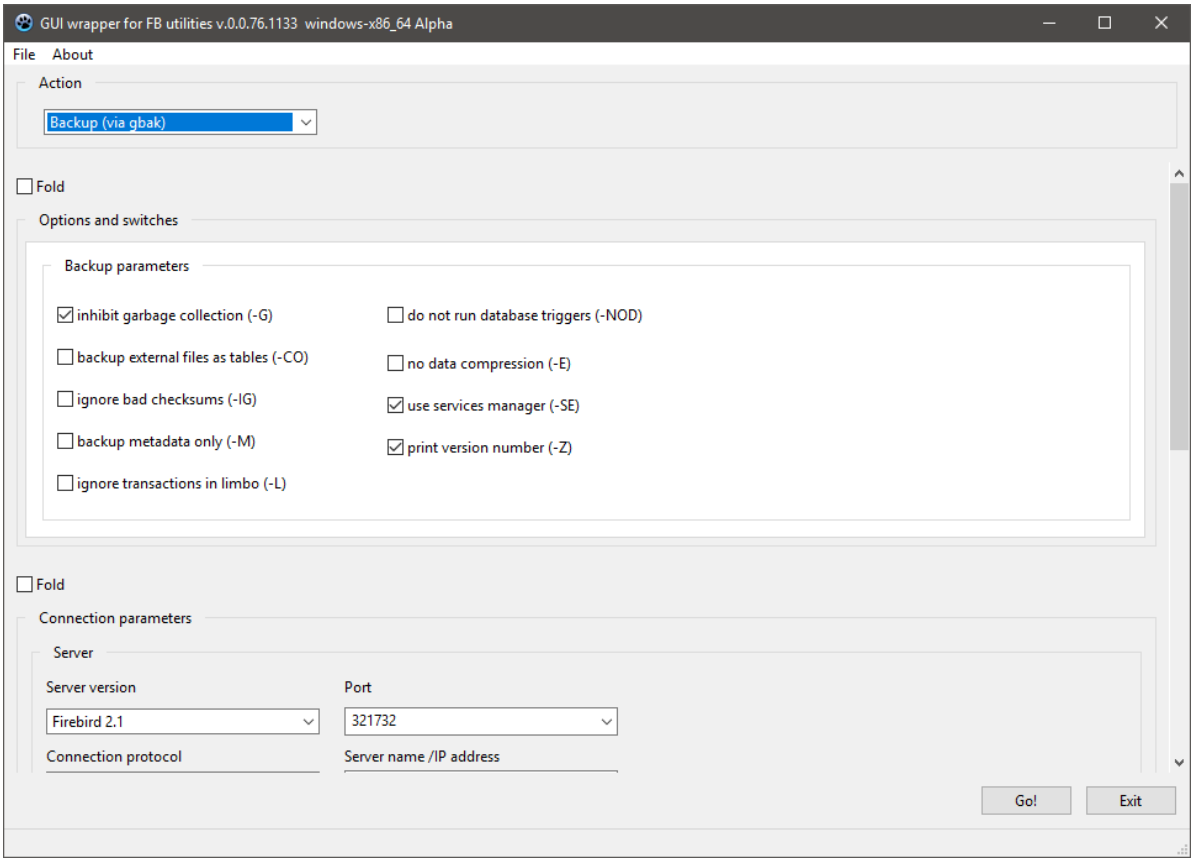
RUS: Приложение является GUI-шным wrapper'ом над утилитами СУБД Firebird из его стандартной поставки. Создана для автоматизации рутинных операций по обслуживанию файлов БД.

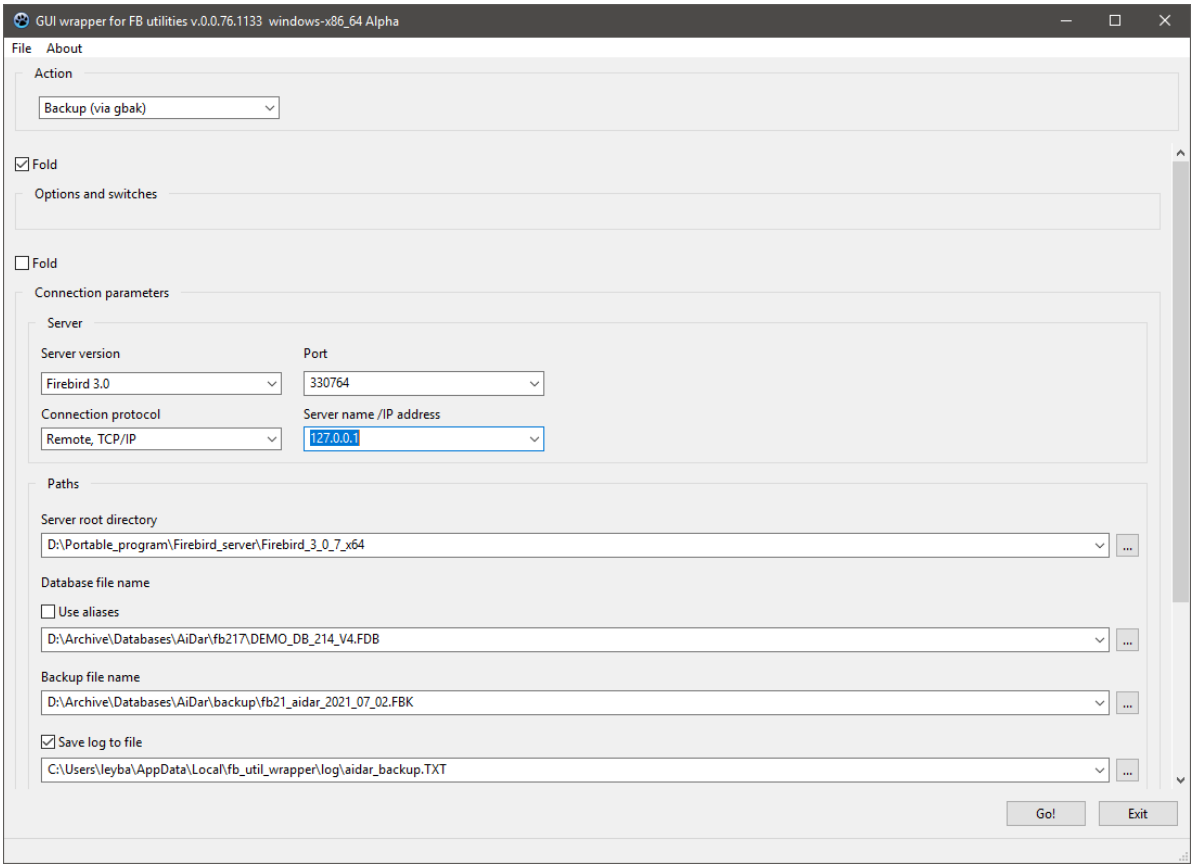
Поддерживается ОС Windows, Linux и Darwin(теоретически, не тестилось). Багрепорты и пожелания приветствуются :)

[Download latest release]

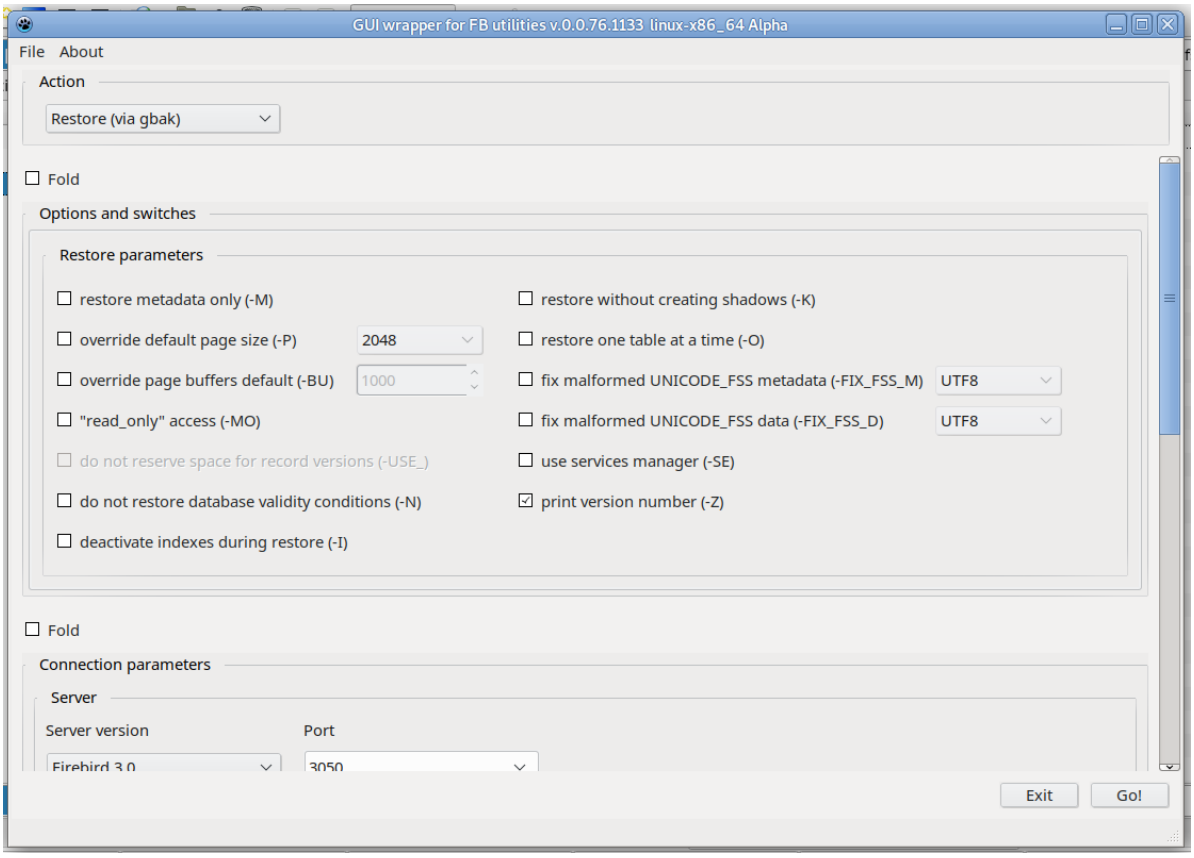
Interface

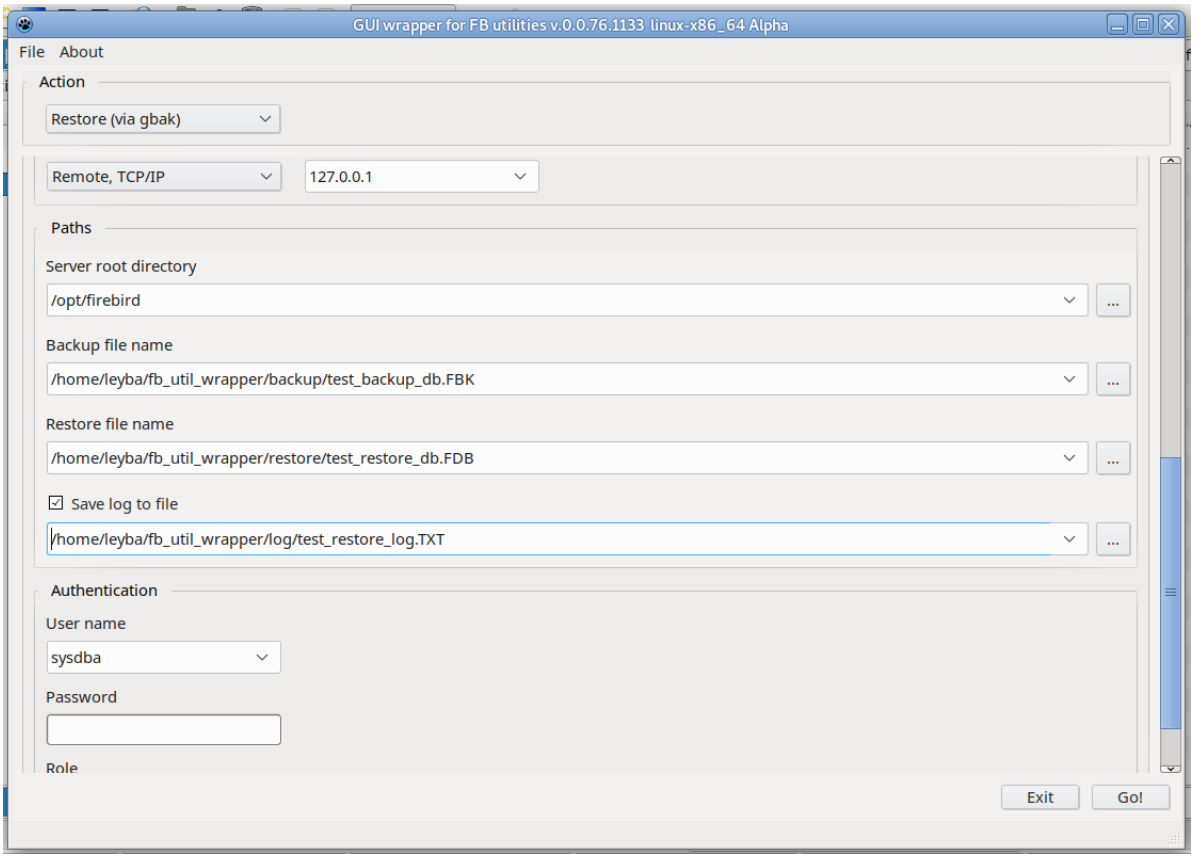
Windows



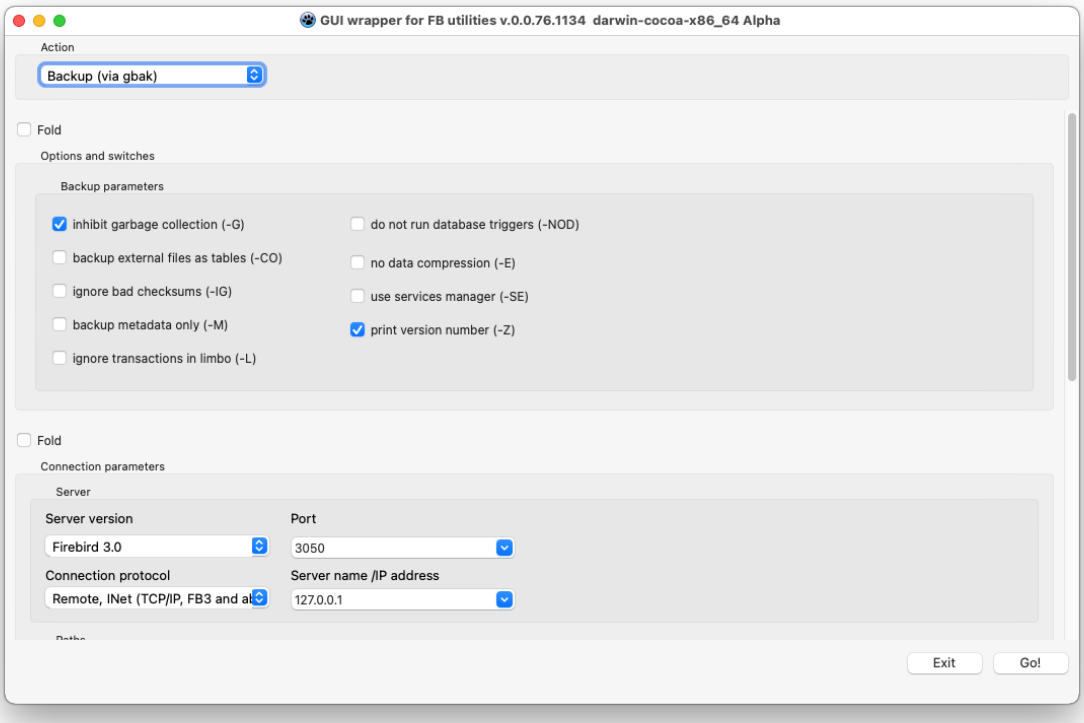

GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File About
Action
Backup (via gbak)
Fold
Options and switches
Fold
Connection parameters
Server
Server version
Firebird 3.0
Port
330764
Connection protocol
Remote, TCP/IP
Server name /IP address
127.0.0.1
Paths
Server root directory
D:\Portable_program\Firebird_server\Firebird_3_0_7_x64
Database file name
Use aliases
D:\Archive\Databases\AiDar\fb217\DEMO_DB_214_V4.FDB
Backup file name
D:\Archive\Databases\AiDar\backup\fb21_aidar_2021_07_02.FBK
Save log to file
C:\Users\leyba\AppData\Local\fb_util_wrapper\log\aidar_backup.TXT
Go!
Exit

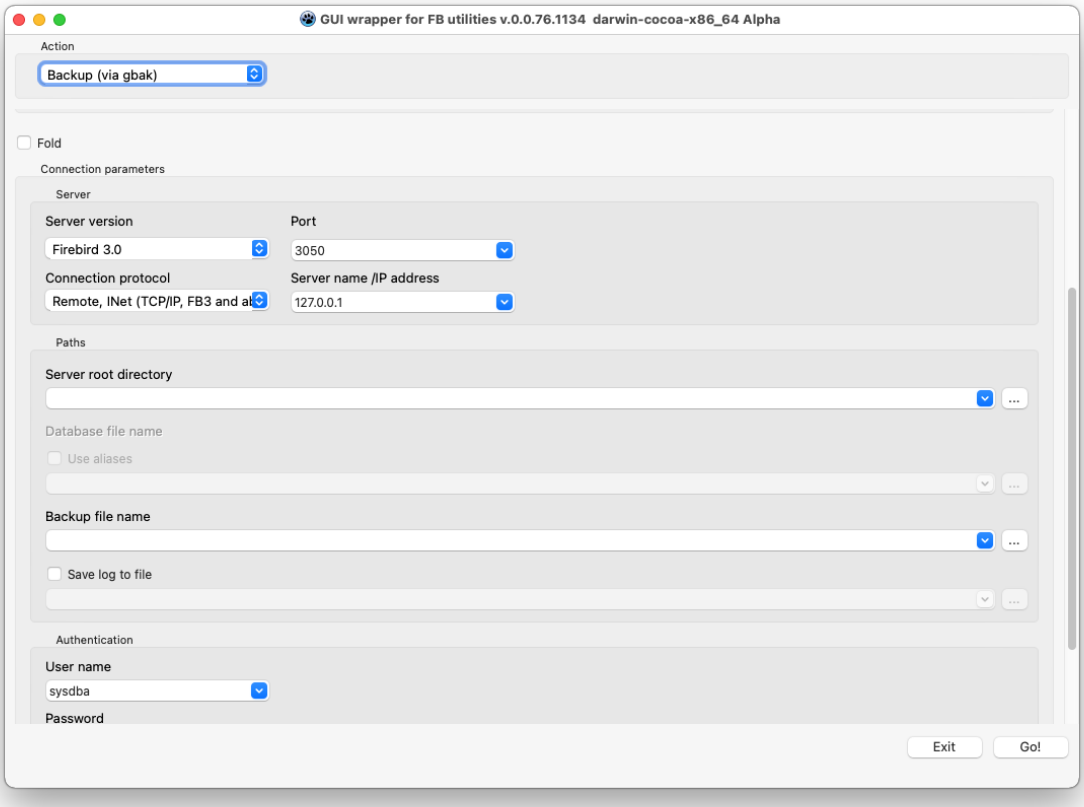
Linux


GUI wrapper for FB utilities v.0.0.76.1133 linux-x86_64 Alpha
File About
Action
Restore (via gbak)
Fold
Options and switches
Restore parameters
restore metadata only (-M)
override default page size (-P)
2048
override page buffers default (-BU)
1000
"read_only" access (-MO)
do not reserve space for record versions (-USE_)
do not restore database validity conditions (-N)
deactivate indexes during restore (-I)
restore without creating shadows (-K)
restore one table at a time (-O)
fix malformed UNICODE_FSS metadata (-FIX_FSS_M)
UTF8
fix malformed UNICODE_FSS data (-FIX_FSS_D)
UTF8
use services manager (-SE)
print version number (-Z)
Fold
Connection parameters
Server
Server version
Port
Exit
Go!

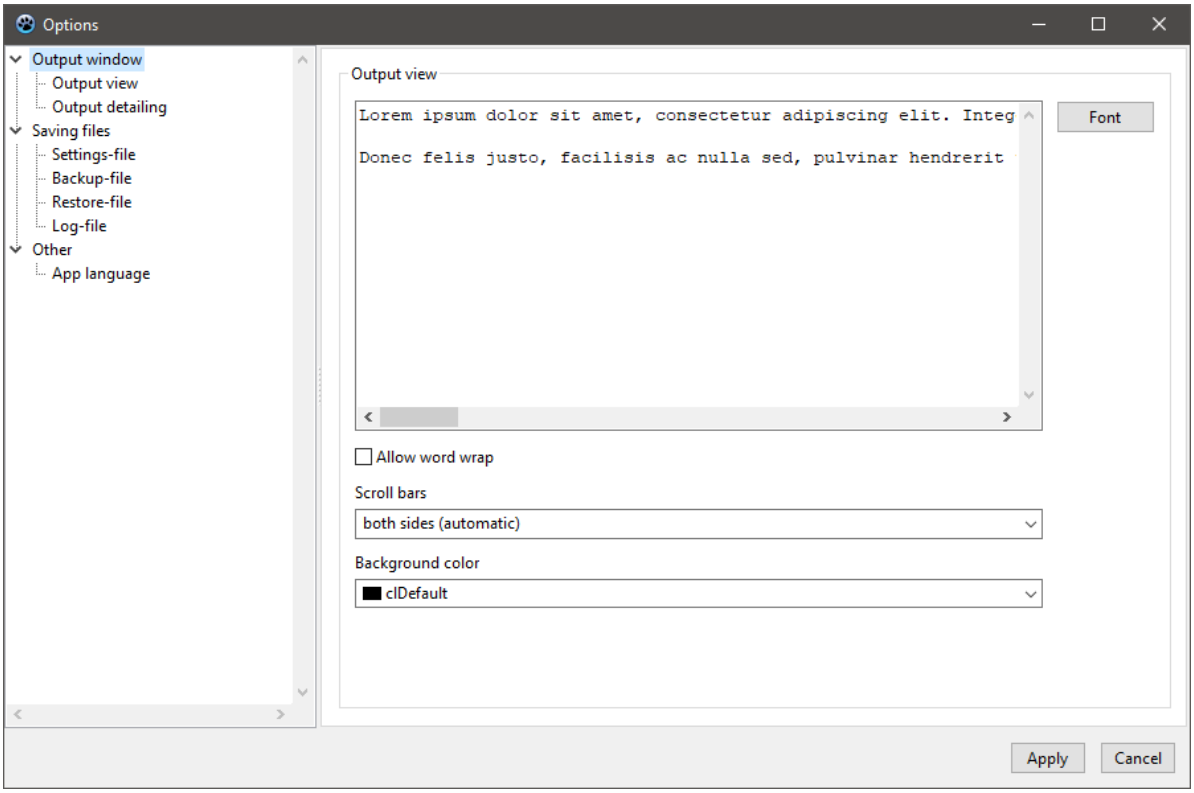

GUI wrapper for FB utilities v.0.0.76.1133 linux-x86_64 Alpha
File
About
Action
Restore (via gbak)
Remote, TCP/IP
127.0.0.1
Paths
Server root directory
/opt/firebird
Backup file name
/home/leyba/fb_util_wrapper/backup/test_backup_db.FBK
Restore file name
/home/leyba/fb_util_wrapper/restore/test_restore_db.FDB
Save log to file
/home/leyba/fb_util_wrapper/log/test_restore_log.TXT
Authentication
User name
sysdba
Password
Role
Exit
Go!

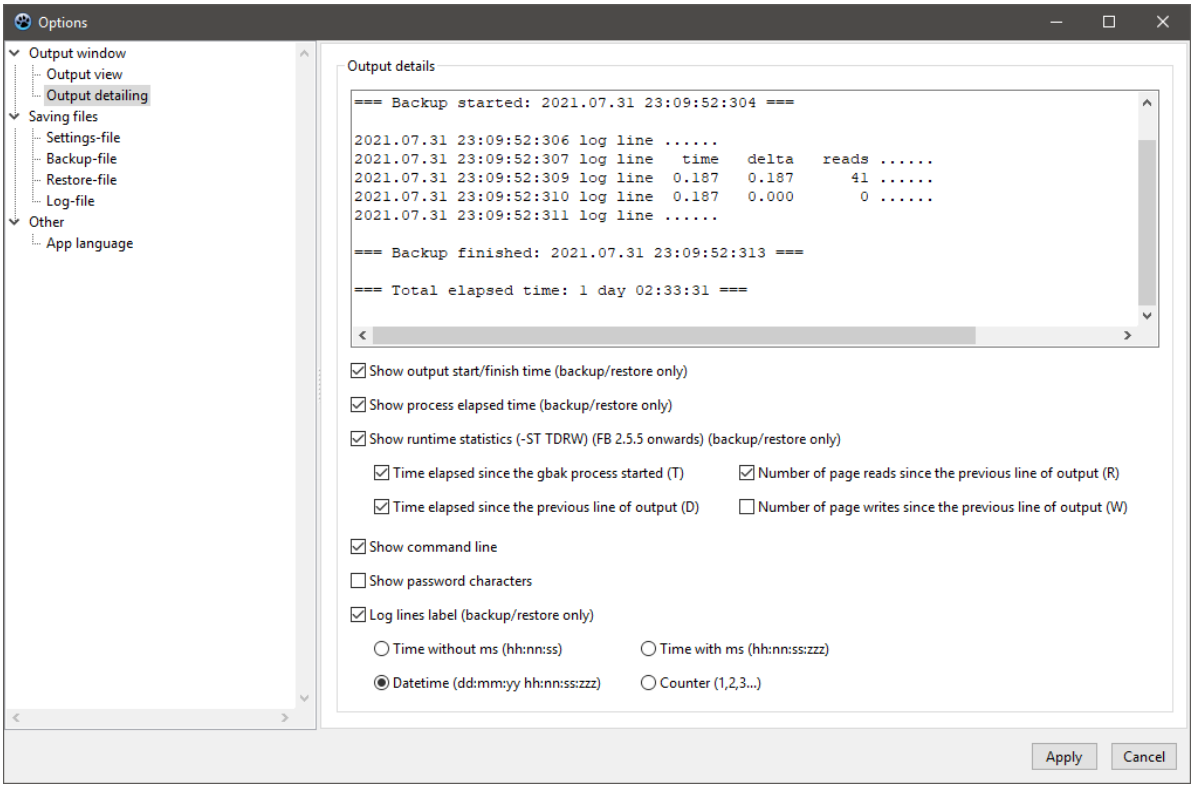
Darwin

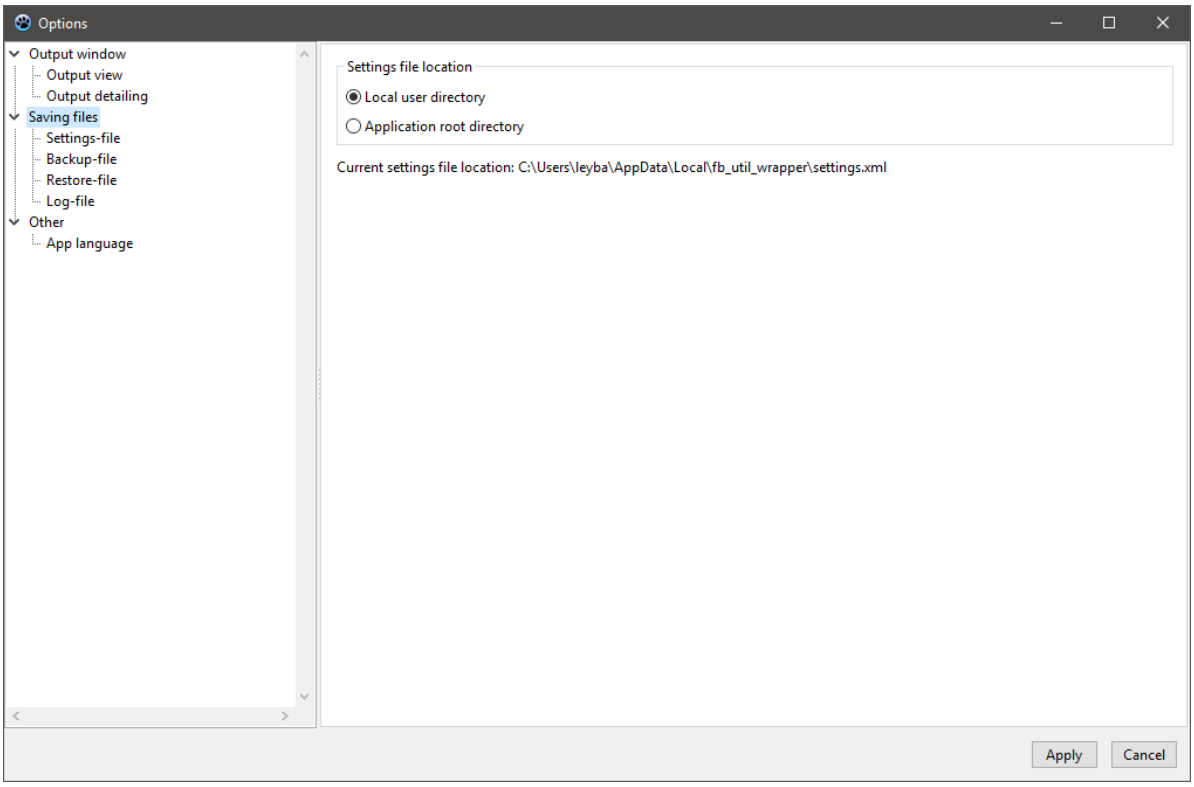

GUI wrapper for FB utilities v.0.0.76.1134 darwin-cocoa-x86_64 Alpha
Action
Backup (via gbak)
Fold
Options and switches
Backup parameters
inhibit garbage collection (-G)
backup external files as tables (-CO)
ignore bad checksums (-IG)
backup metadata only (-M)
ignore transactions in limbo (-L)
do not run database triggers (-NOD)
no data compression (-E)
use services manager (-SE)
print version number (-Z)
Fold
Connection parameters
Server
Server version
Firebird 3.0
Port
3050
Connection protocol
Remote, INet (TCP/IP, FB3 and al
Server name /IP address
127.0.0.1
Exit
Go!

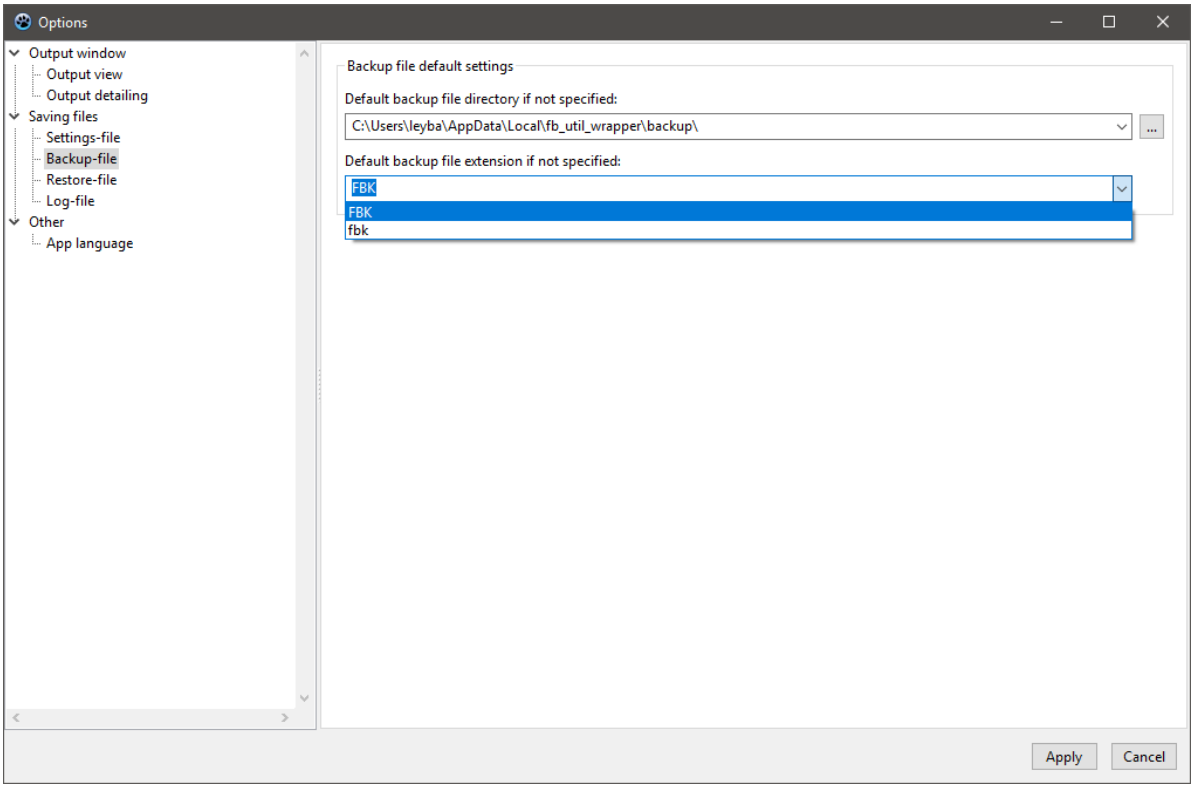


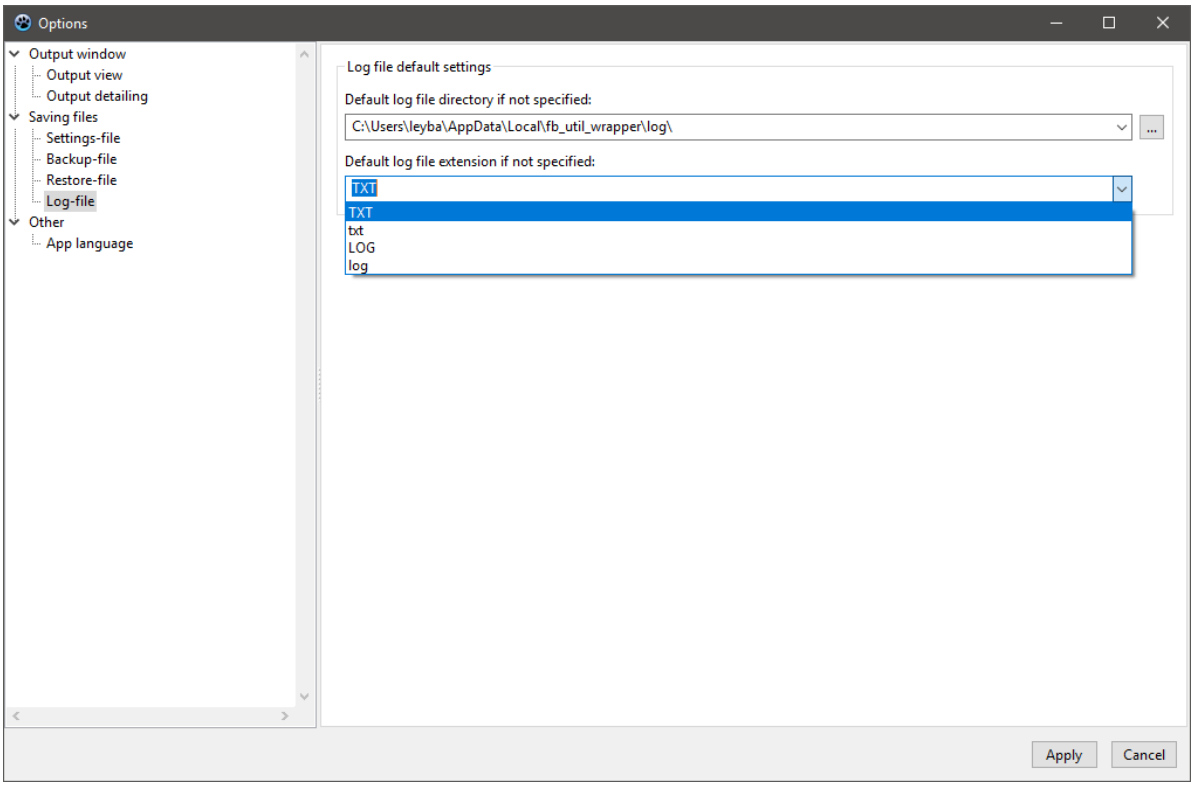
Preferences




Options
Output window
Output view
Output detailing
Saving files
Settings-file
Backup-file
Restore-file
Log-file
Other
App language
Output details
=== Backup started: 2021.07.31 23:09:52:304 ===
2021.07.31 23:09:52:306 log line ......
2021.07.31 23:09:52:307 log line time delta reads ......
2021.07.31 23:09:52:309 log line 0.187 0.187 41 ......
2021.07.31 23:09:52:310 log line 0.187 0.000 0 ......
2021.07.31 23:09:52:311 log line ......
=== Backup finished: 2021.07.31 23:09:52:313 ===
=== Total elapsed time: 1 day 02:33:31 ===
Show output start/finish time (backup/restore only)
Show process elapsed time (backup/restore only)
Show runtime statistics (-ST TDRW) (FB 2.5.5 onwards) (backup/restore only)
Time elapsed since the gbak process started (T)
Number of page reads since the previous line of output (R)
Time elapsed since the previous line of output (D)
Number of page writes since the previous line of output (W)
Show command line
Show password characters
Log lines label (backup/restore only)
Time without ms (hh:nn:ss)
Time with ms (hh:nn:ss:zzz)
Datetime (dd:mm:yy hh:nn:ss:zzz)
Counter (1,2,3...)
Apply
Cancel


Options
Output window
Output view
Output detailing
Saving files
Settings-file
Backup-file
Restore-file
Log-file
Other
App language
Settings file location
Local user directory
Application root directory
Current settings file location: C:\Users\leyba\AppData\Local\fb_util_wrapper\settings.xml
Apply
Cancel

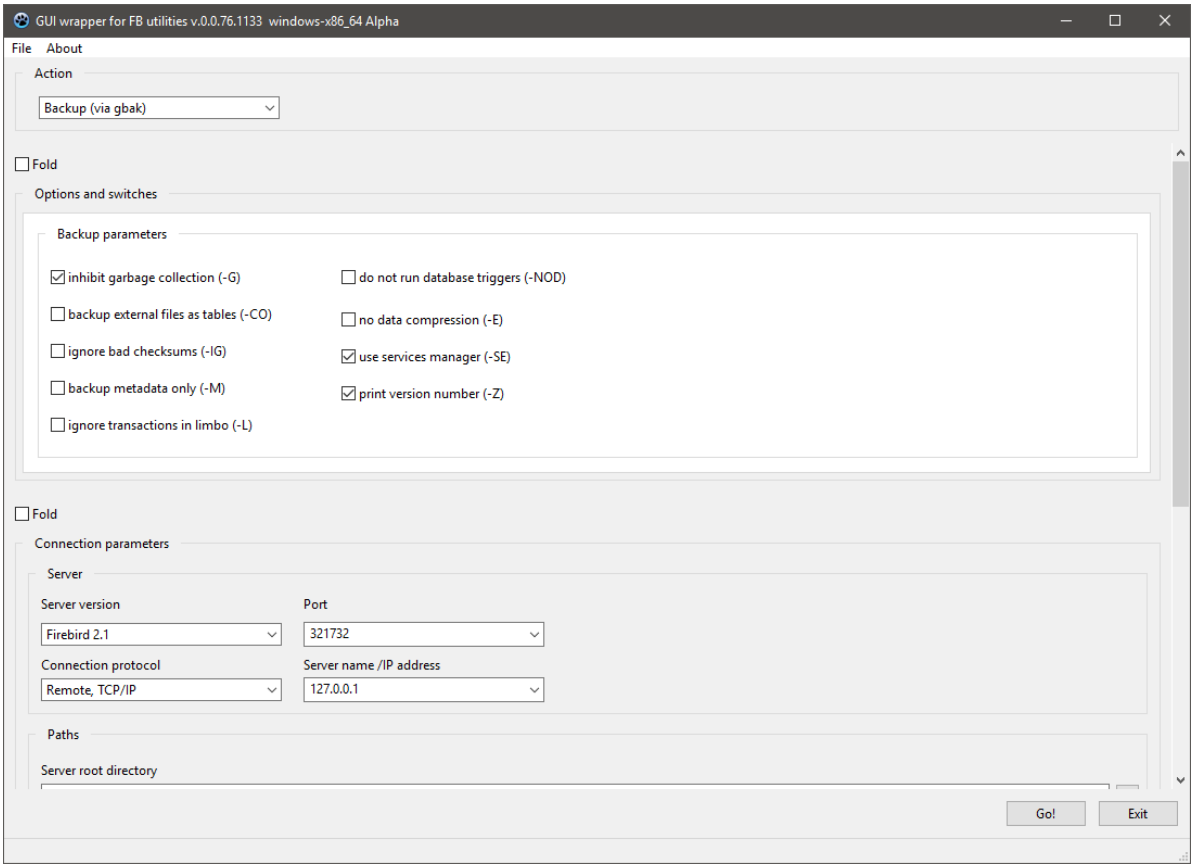




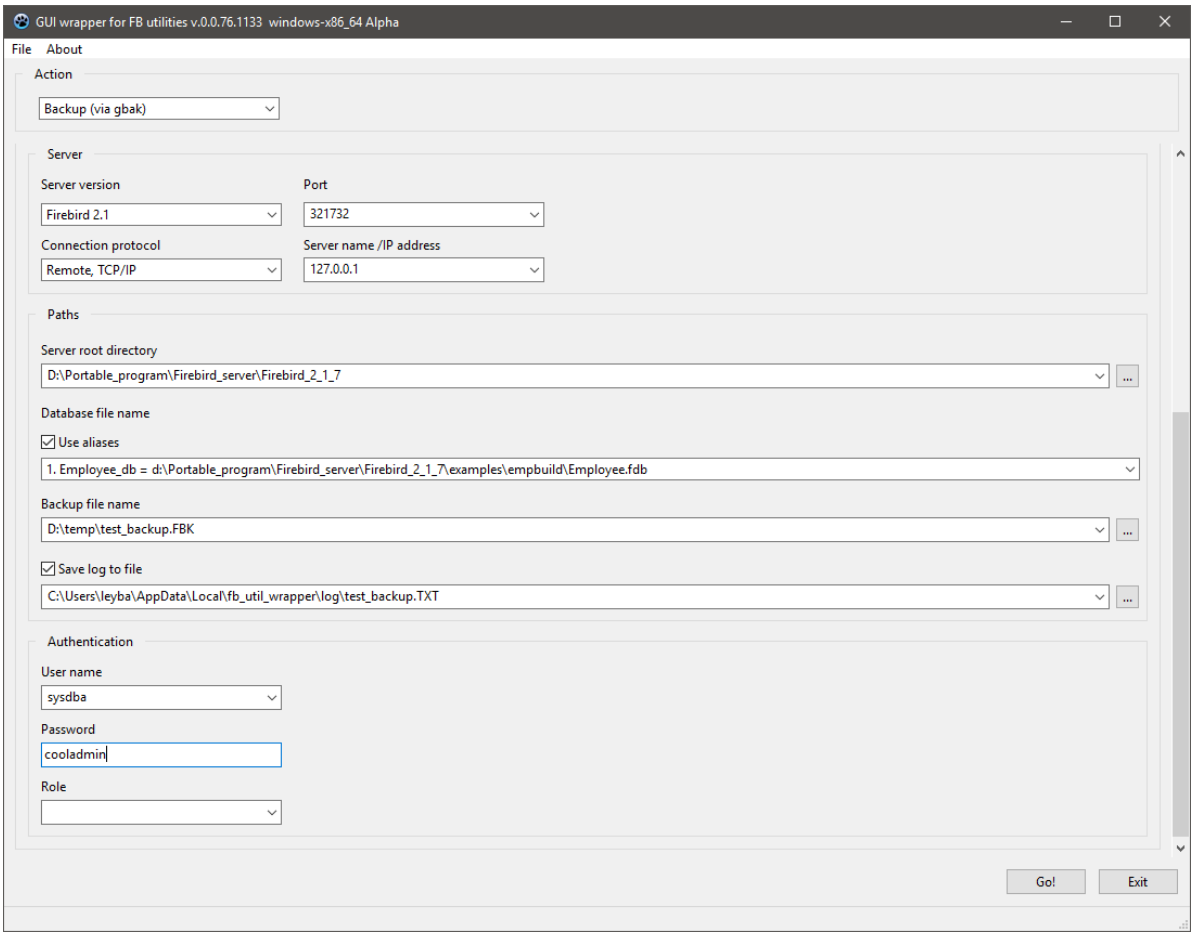
Usage

Backup via gbak

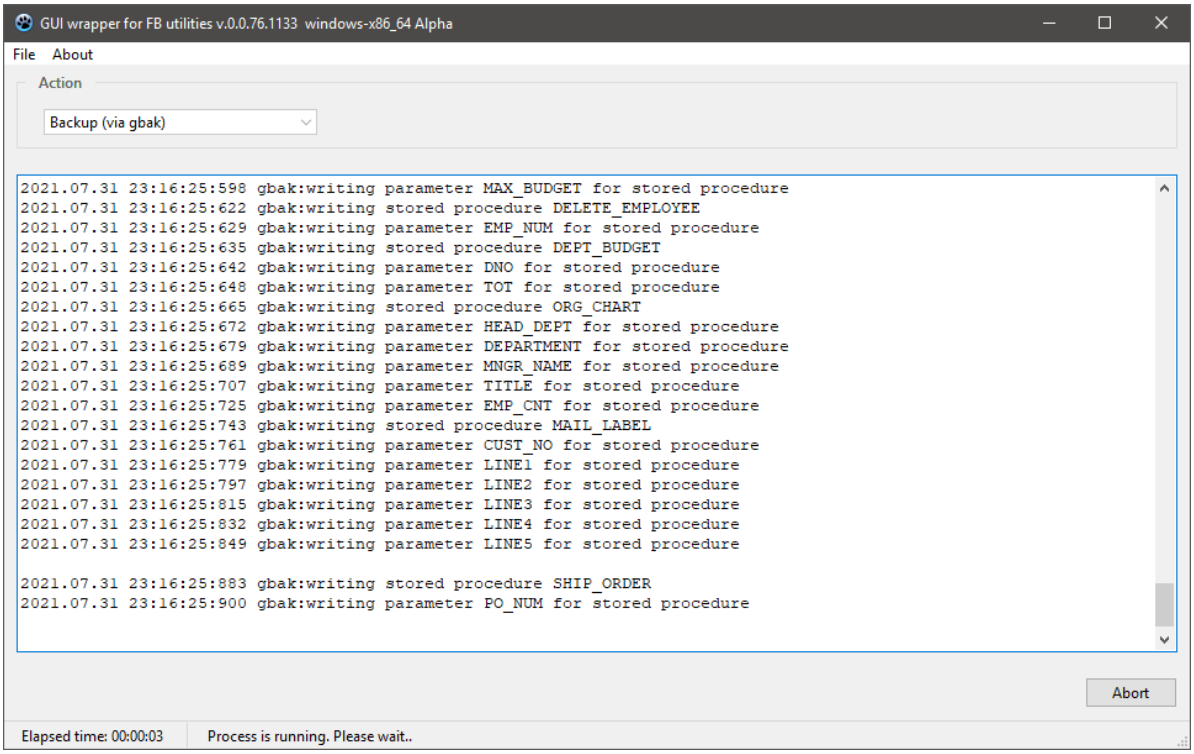
Select backup options/switches



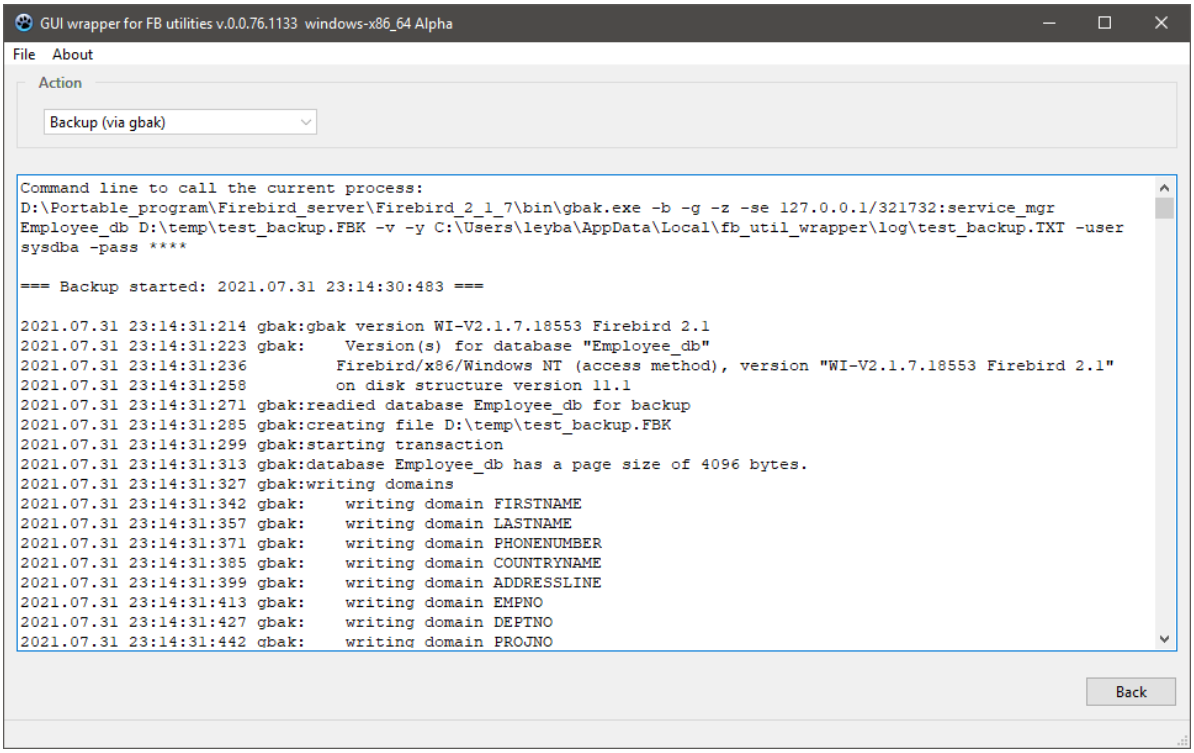
Select the correct server parameters, file names. Then type the correct username/password/role (of necessary)

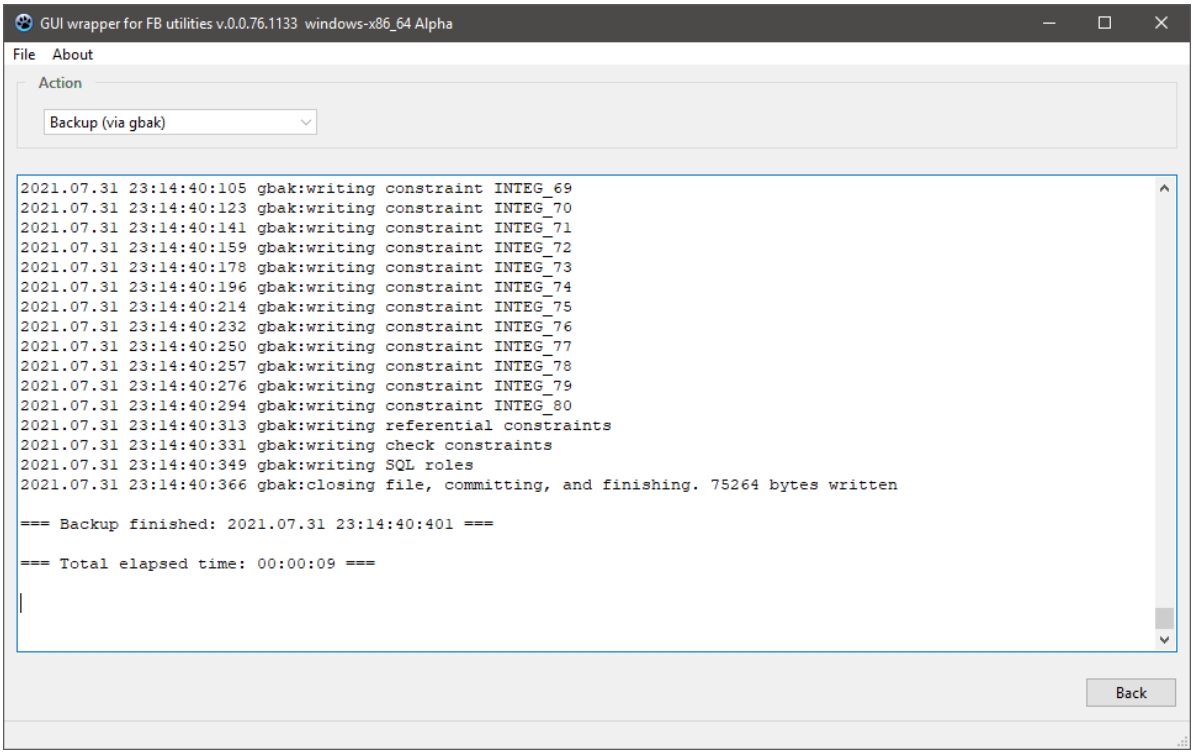


When you click the Go button, the backup process will start.


GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File
About
Action
Backup (via gbak)
2021.07.31 23:16:25:598 gbak:writing parameter MAX_BUDGET for stored procedure
2021.07.31 23:16:25:622 gbak:writing stored procedure DELETE_EMPLOYEE
2021.07.31 23:16:25:629 gbak:writing parameter EMP_NUM for stored procedure
2021.07.31 23:16:25:635 gbak:writing stored procedure DEPT_BUDGET
2021.07.31 23:16:25:642 gbak:writing parameter DNO for stored procedure
2021.07.31 23:16:25:648 gbak:writing parameter TOT for stored procedure
2021.07.31 23:16:25:665 gbak:writing stored procedure ORG_CHART
2021.07.31 23:16:25:672 gbak:writing parameter HEAD_DEPT for stored procedure
2021.07.31 23:16:25:679 gbak:writing parameter DEPARTMENT for stored procedure
2021.07.31 23:16:25:689 gbak:writing parameter MNGR_NAME for stored procedure
2021.07.31 23:16:25:707 gbak:writing parameter TITLE for stored procedure
2021.07.31 23:16:25:725 gbak:writing parameter EMP_CNT for stored procedure
2021.07.31 23:16:25:743 gbak:writing stored procedure MAIL_LABEL
2021.07.31 23:16:25:761 gbak:writing parameter CUST_NO for stored procedure
2021.07.31 23:16:25:779 gbak:writing parameter LINE1 for stored procedure
2021.07.31 23:16:25:797 gbak:writing parameter LINE2 for stored procedure
2021.07.31 23:16:25:815 gbak:writing parameter LINE3 for stored procedure
2021.07.31 23:16:25:832 gbak:writing parameter LINE4 for stored procedure
2021.07.31 23:16:25:849 gbak:writing parameter LINE5 for stored procedure
2021.07.31 23:16:25:883 gbak:writing stored procedure SHIP_ORDER
2021.07.31 23:16:25:900 gbak:writing parameter PO_NUM for stored procedure
Abort
Elapsed time: 00:00:03
Process is running. Please wait..

Summary log


GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File
About
Action
Backup (via gbak)
Command line to call the current process:
D:\Portable_program\Firebird_server\Firebird_2_1_7\bin\gbak.exe -b -g -z -se 127.0.0.1/321732:service_mgr
Employee_db D:\temp\test_backup.FBK -v -y C:\Users\leyba\AppData\Local\fb_util_wrapper\log\test_backup.TXT -user
sysdba -pass ****
=== Backup started: 2021.07.31 23:14:30:483 ===
2021.07.31 23:14:31:214 gbak:gbak version WI-V2.1.7.18553 Firebird 2.1
2021.07.31 23:14:31:223 gbak: Version(s) for database "Employee_db"
2021.07.31 23:14:31:236 Firebird/x86/Windows NT (access method), version "WI-V2.1.7.18553 Firebird 2.1"
2021.07.31 23:14:31:258 on disk structure version 11.1
2021.07.31 23:14:31:271 gbak:readied database Employee_db for backup
2021.07.31 23:14:31:285 gbak:creating file D:\temp\test_backup.FBK
2021.07.31 23:14:31:299 gbak:starting transaction
2021.07.31 23:14:31:313 gbak:database Employee_db has a page size of 4096 bytes.
2021.07.31 23:14:31:327 gbak:writing domains
2021.07.31 23:14:31:342 gbak: writing domain FIRSTNAME
2021.07.31 23:14:31:357 gbak: writing domain LASTNAME
2021.07.31 23:14:31:371 gbak: writing domain PHONENUMBER
2021.07.31 23:14:31:385 gbak: writing domain COUNTRYNAME
2021.07.31 23:14:31:399 gbak: writing domain ADDRESSLINE
2021.07.31 23:14:31:413 gbak: writing domain EMPNO
2021.07.31 23:14:31:427 gbak: writing domain DEPTNO
2021.07.31 23:14:31:442 gbak: writing domain PROJNO
Back

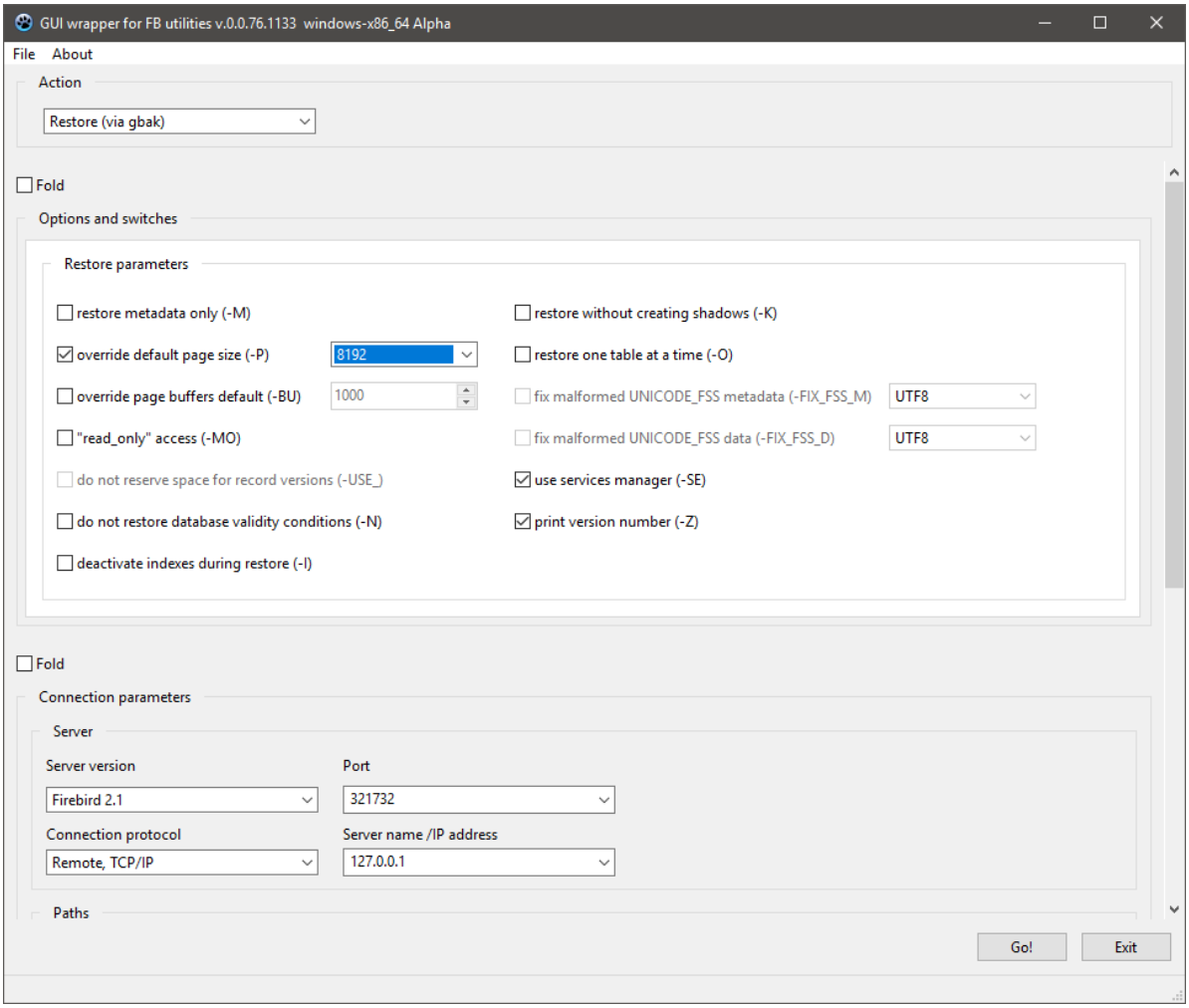


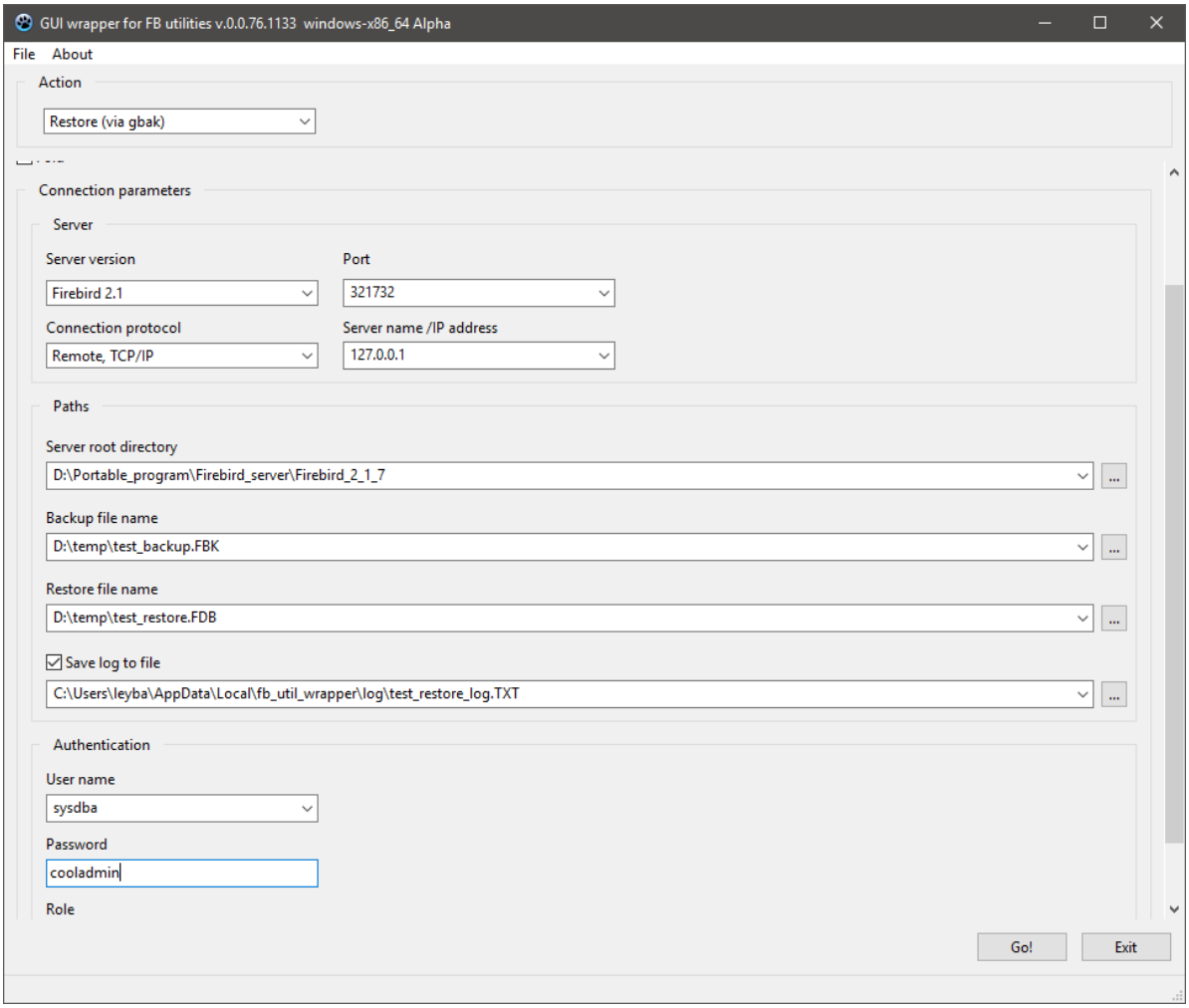
Backup via isql (Firebird 3 onwards)

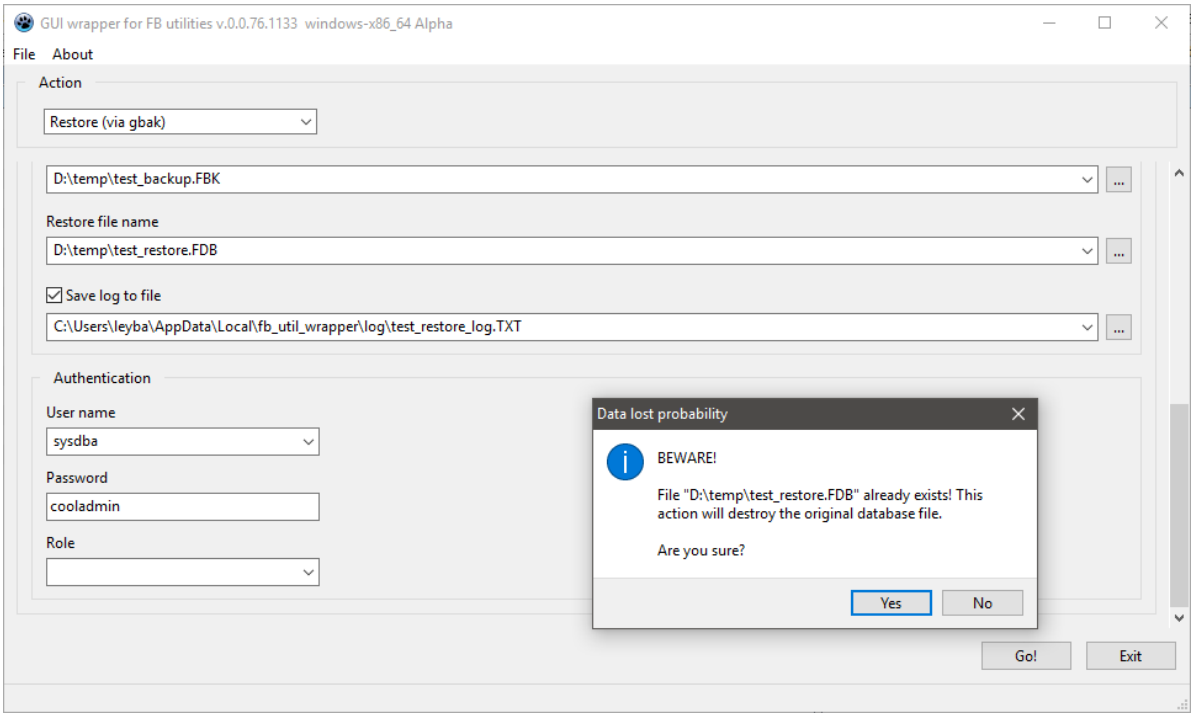
Not implemented.

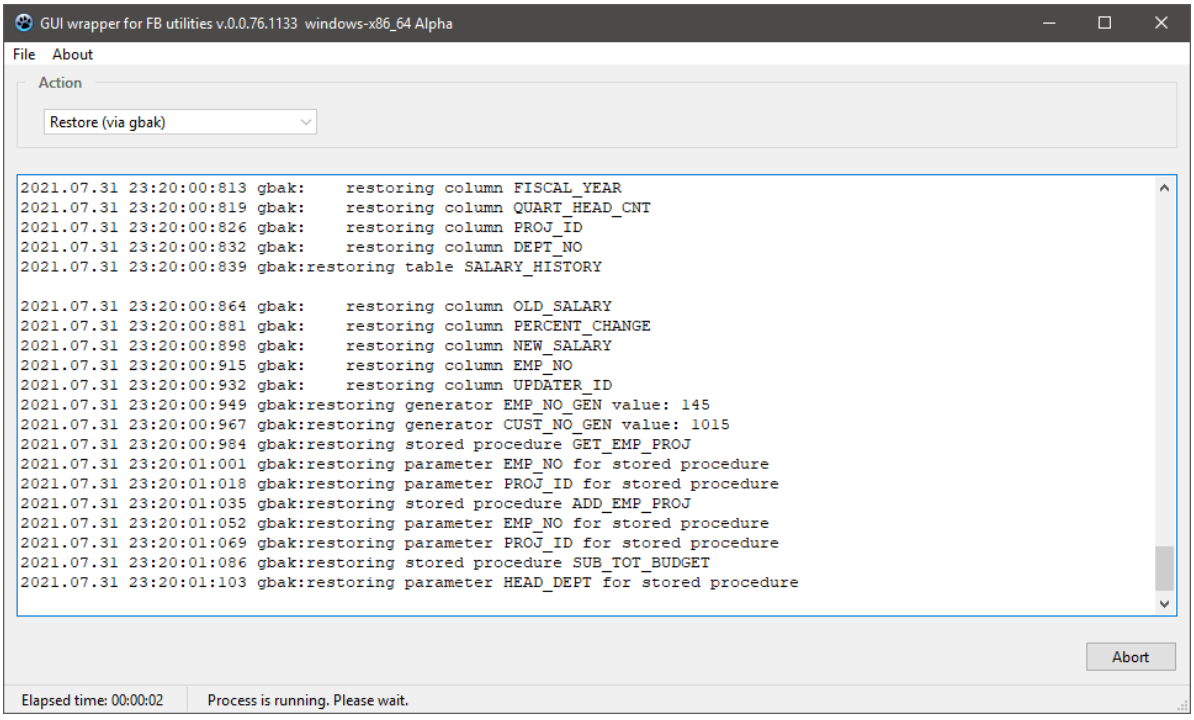
Restore via gbak

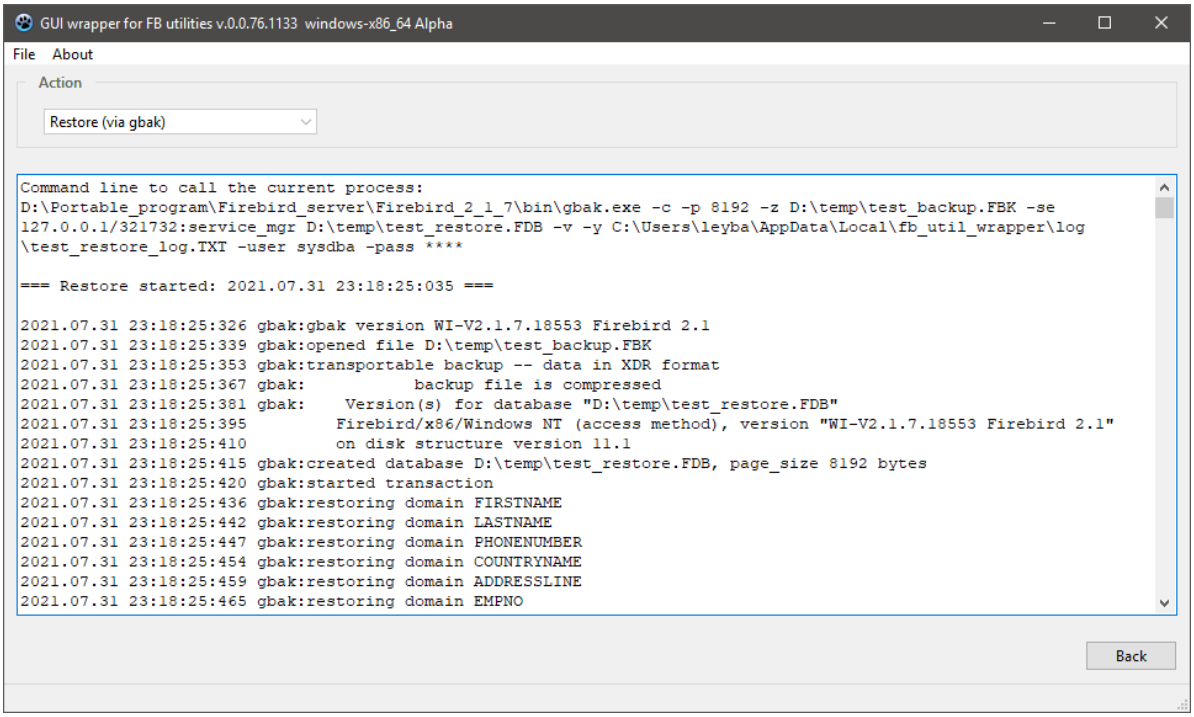
The restore process is similar to the backup process.

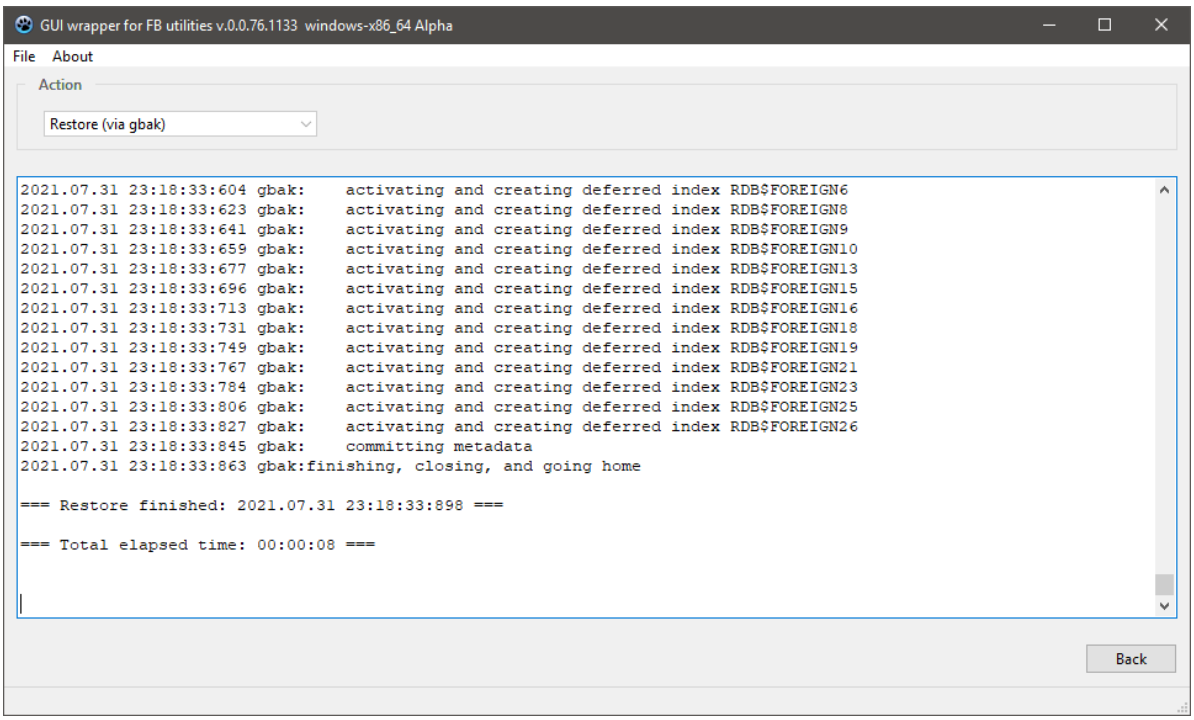

GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File
About
Action
Restore (via gbak)
Fold
Options and switches
Restore parameters
restore metadata only (-M)
override default page size (-P)
8192
override page buffers default (-BU)
1000
"read_only" access (-MO)
do not reserve space for record versions (-USE_)
do not restore database validity conditions (-N)
deactivate indexes during restore (-I)
restore without creating shadows (-K)
restore one table at a time (-O)
fix malformed UNICODE_FSS metadata (-FIX_FSS_M)
UTF8
fix malformed UNICODE_FSS data (-FIX_FSS_D)
UTF8
use services manager (-SE)
print version number (-Z)
Fold
Connection parameters
Server
Server version
Firebird 2.1
Port
321732
Connection protocol
Remote, TCP/IP
Server name /IP address
127.0.0.1
Paths
Go!
Exit


GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File
About
Action
Restore (via gbak)
Connection parameters
Server
Server version
Firebird 2.1
Port
321732
Connection protocol
Remote, TCP/IP
Server name /IP address
127.0.0.1
Paths
Server root directory
D:\Portable_program\Firebird_server\Firebird_2_1_7
Backup file name
D:\temp\test_backup.FBK
Restore file name
D:\temp\test_restore.FDB
Save log to file
C:\Users\leyba\AppData\Local\fb_util_wrapper\log\test_restore_log.TXT
Authentication
User name
sysdba
Password
cooladmin
Role
Go!
Exit


GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File About
Action
Restore (via gbak)
D:\temp\test_backup.FBK
Restore file name
D:\temp\test_restore.FDB
Save log to file
C:\Users\leyba\AppData\Local\fb_util_wrapper\log\test_restore_log.TXT
Authentication
User name
sysdba
Password
cooladmin
Role
Data lost probability
BEWARE!
File "D:\temp\test_restore.FDB" already exists! This action will destroy the original database file.
Are you sure?
Yes
No
Go!
Exit


GUI wrapper for FB utilities v.0.0.76.1133 windows-x86_64 Alpha
File About
Action
Restore (via gbak)
2021.07.31 23:20:00:813 gbak: restoring column FISCAL_YEAR
2021.07.31 23:20:00:819 gbak: restoring column QUART_HEAD_CNT
2021.07.31 23:20:00:826 gbak: restoring column PROJ_ID
2021.07.31 23:20:00:832 gbak: restoring column DEPT_NO
2021.07.31 23:20:00:839 gbak:restoring table SALARY_HISTORY
2021.07.31 23:20:00:864 gbak: restoring column OLD_SALARY
2021.07.31 23:20:00:881 gbak: restoring column PERCENT_CHANGE
2021.07.31 23:20:00:898 gbak: restoring column NEW_SALARY
2021.07.31 23:20:00:915 gbak: restoring column EMP_NO
2021.07.31 23:20:00:932 gbak: restoring column UPDATER_ID
2021.07.31 23:20:00:949 gbak:restoring generator EMP_NO_GEN value: 145
2021.07.31 23:20:00:967 gbak:restoring generator CUST_NO_GEN value: 1015
2021.07.31 23:20:00:984 gbak:restoring stored procedure GET_EMP_PROJ
2021.07.31 23:20:01:001 gbak:restoring parameter EMP_NO for stored procedure
2021.07.31 23:20:01:018 gbak:restoring parameter PROJ_ID for stored procedure
2021.07.31 23:20:01:035 gbak:restoring stored procedure ADD_EMP_PROJ
2021.07.31 23:20:01:052 gbak:restoring parameter EMP_NO for stored procedure
2021.07.31 23:20:01:069 gbak:restoring parameter PROJ_ID for stored procedure
2021.07.31 23:20:01:086 gbak:restoring stored procedure SUB_TOT_BUDGET
2021.07.31 23:20:01:103 gbak:restoring parameter HEAD_DEPT for stored procedure
Abort
Elapsed time: 00:00:02
Process is running. Please wait.





Restore via isql (Firebird 3 onwards)

Not implemented.