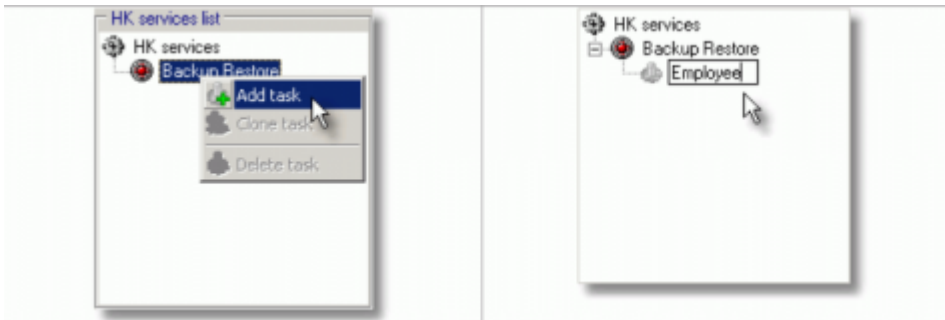


Configuring the database for a backup

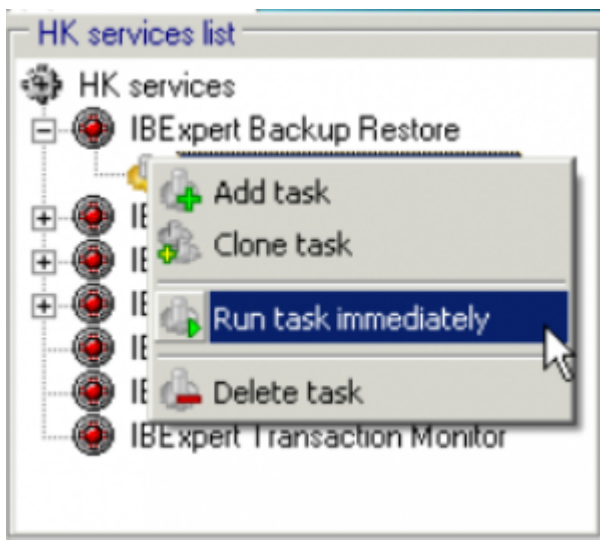
After configuring the default task settings, all new tasks will have the same configuration when created. You can of course alter specific options in the individual tasks if wished.

Let's configure IBExpertBackupRestore to backup our database:

1. Right-click on the *IBExpert Backup Restore* service's item in the SCC. Then click *Add task* in the popup menu. After that you will see the new task item (Task 0) under the *Backup Restore* service's item. You may rename it when the service is inactive by clicking on the name and simultaneously holding the [Ctrl] key down. In the example below you can see a new task, renamed *Employee*.



Once a task has been created, the HK-Services context-sensitive right-click menu can be used to copy an existing backup configuration, run it immediately or delete it:



2. Configure the [Actions](#) (if any) and the [Backup and Restore settings](#) (*backup folder, restore folder, page size, backup options and restore options*) as shown in the screenshot:

Service setup and control		Service runtime info	Performance
Active	True		
BackupRestore	Backup and restore		
Actions			
Backup	-G		
BackupFolder	C:\db\bak\		
BlockingFactor	0		
Options	[NoGarbageCollection]		
OtherOptions			
General	-VERIFY		
FetchPassword			
Options	[]		
OtherOptions			
SkipData			
UseService			
Verify	True		
Restore	-REP -P 16384		
Enabled	True		
GenerateBatFile	True		
Info	No queries set.		
Settings	-REP -P 16384		
DeleteRestored	False		
Options	[]		
PageBuffers	0		
PageSize	16384		
RestoreFolder	C:\db\restore\		
UseAlternateServer			

3. Setup the GBK file compress with the built-in ZIP compressor, as shown on the screenshot below:

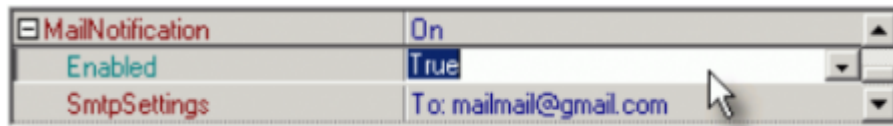
Compress	Built in ZIP
Enabled	True
Settings	
CompressByBuiltInZIP	True
CompressCommandLine	
CompressedFileExt	zip
DeleteBackupAfterCompress	True
ExecutableFile	

Of course you can also specify an external compressor application of your choice. (Further information can be found in the [previous chapter](#).)

4. Setup the database connection parameters and path to the Firebird Install folder and `gbak.exe`:

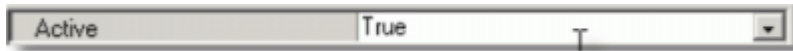
DBConnectionParams	[localhost] C:\... \EMPLOYEE.FDB
CharactersSet	NONE
DatabaseName	C:\FB\fb305\output_x64\examples\empbuild\EMPLO
LoginParams	user:SYSDBA
Protocol	TCP
ServerName	localhost
SqlRole	
FirebirdInstallFolder	C:\Program Files\Firebird\Firebird_3_0\
GbakFile	C:\Program Files\Firebird\Firebird_3_0\gbak.exe
Internal	False

5. Set up the [MailNotification](#) and *SMTP* settings as required:

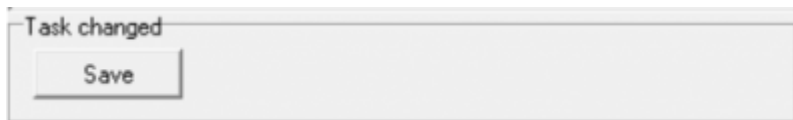


6. Set up the schedule for your local time + 5 minutes so that we can see this task running.

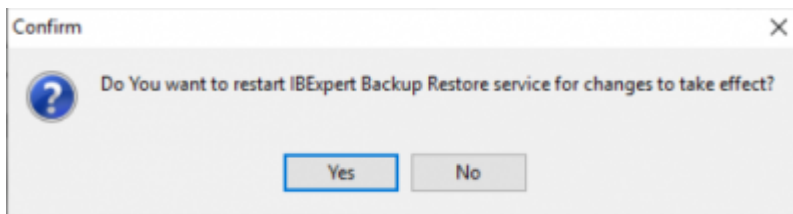
7. Set the *Active* property to *True*.



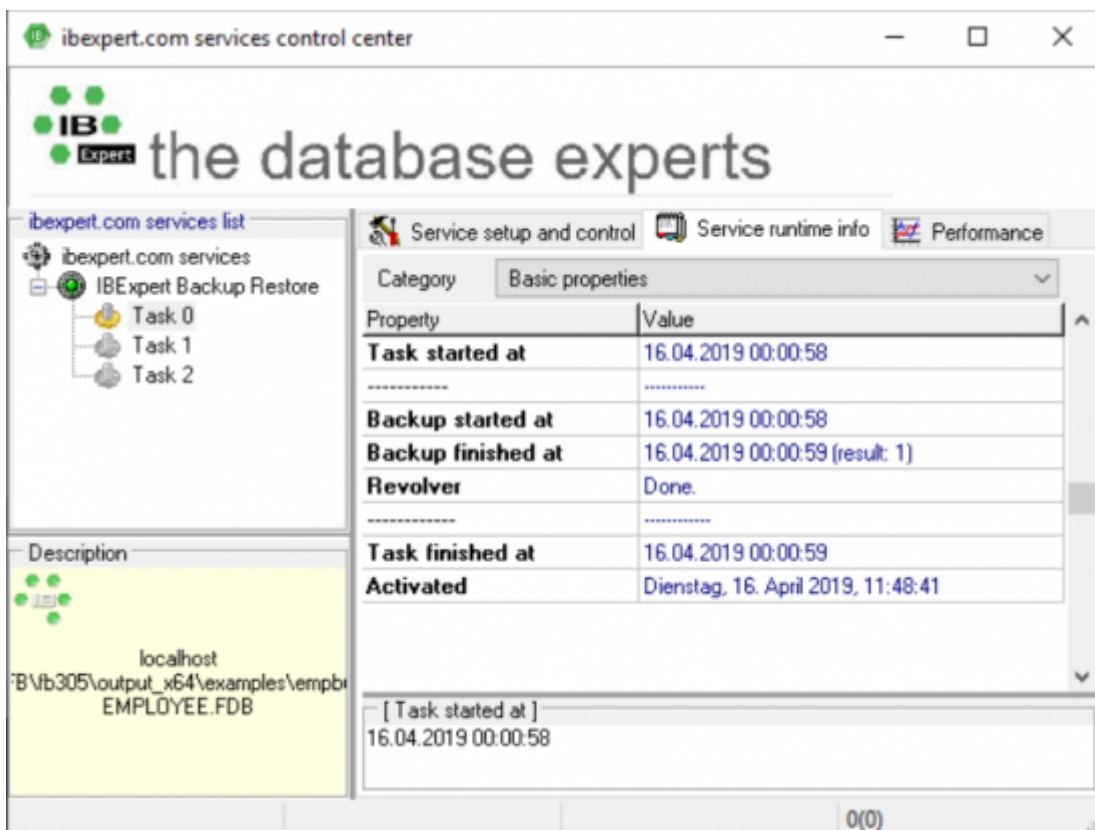
8. Save the service's configuration by pressing the Save button in the SCC:



9. IBExpertBackupRestore will ask to restart the service:



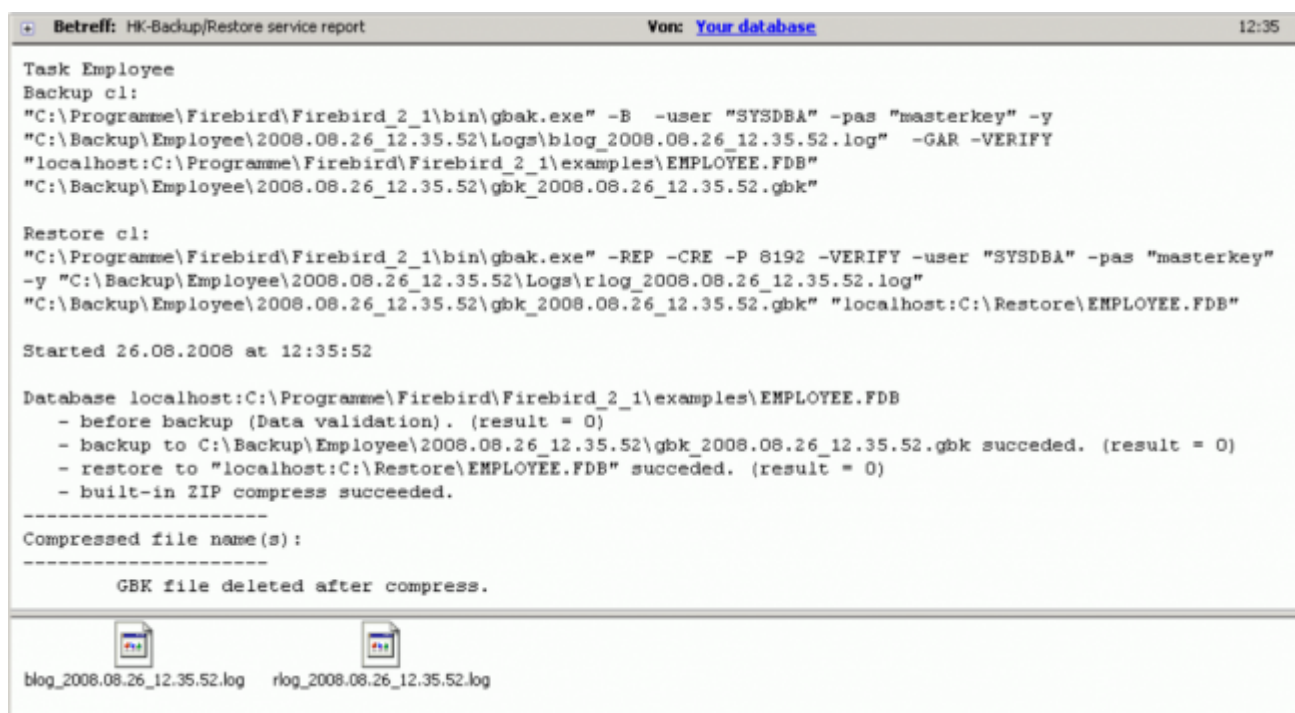
10. Now select the task in the ibexpert.com services list, then switch to the *Service runtime info* page to see the task-related service activity:



After specifying and starting the service, it runs in the background simply looking into the configuration file which is stored on the local machine, and running the backup according to the

schedule specified. If you want to test your configuration immediately, simply right-click on the task name in the left-hand panel and select *Run task immediately*. The third page, *Performance logs* when the backup started and finished, and whether there were any errors, and also logs restore information, if a restore has been specified.

Also, if you check your mail for the address configured in the SMTP settings, there should be a report message from the backup/restore service, provided of course that you have specified mail notification of both a successful and unsuccessful backup:



```
Betreff: HK-Backup/Restore service report      Von: Your database      12:35

Task Employee
Backup cl:
"C:\Programme\Firebird\Firebird_2_1\bin\gbak.exe" -B -user "SYSDBA" -pas "masterkey" -y
"C:\Backup\Employee\2008.08.26_12.35.52\Logs\blog_2008.08.26_12.35.52.log" -GAR -VERIFY
"localhost:C:\Programme\Firebird\Firebird_2_1\examples\EMPLOYEE.FDB"
"C:\Backup\Employee\2008.08.26_12.35.52\gbk_2008.08.26_12.35.52.gbk"

Restore cl:
"C:\Programme\Firebird\Firebird_2_1\bin\gbak.exe" -REP -CRE -P 8192 -VERIFY -user "SYSDBA" -pas "masterkey"
-y "C:\Backup\Employee\2008.08.26_12.35.52\Logs\rlog_2008.08.26_12.35.52.log"
"C:\Backup\Employee\2008.08.26_12.35.52\gbk_2008.08.26_12.35.52.gbk" "localhost:C:\Restore\EMPLOYEE.FDB"

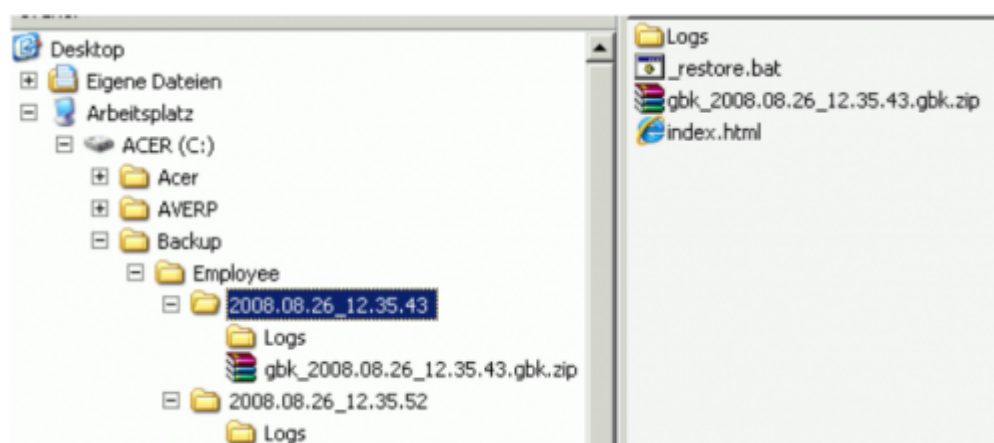
Started 26.08.2008 at 12:35:52

Database localhost:C:\Programme\Firebird\Firebird_2_1\examples\EMPLOYEE.FDB
- before backup (Data validation). (result = 0)
- backup to C:\Backup\Employee\2008.08.26_12.35.52\gbk_2008.08.26_12.35.52.gbk succeeded. (result = 0)
- restore to "localhost:C:\Restore\EMPLOYEE.FDB" succeeded. (result = 0)
- built-in ZIP compress succeeded.

-----
Compressed file name(s):
-----
      GBK file deleted after compress.

blog_2008.08.26_12.35.52.log  rlog_2008.08.26_12.35.52.log
```

In the backup folder you can find fresh backup and backup/restore log files.



And in the restore folder the restored database.



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

Permanent link:
<http://ibexpert.com/docu/doku.php?id=02-ibexpert:02-09-ibexpert-services-menu:hk-software-services-control-center:ibexpertbackuprestore:configuring-the-database-for-backup>

Last update: 2023/10/16 21:20

