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Recovering MSSQL database from .mdf file only



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Author

Mike Barskey

Joined: 10 Jul 2003
Posts: 107
Location: Seattle
Technology Group, Inc.
(Palm Springs office)

Message

Posted: Fri Apr 02, 2004 12:41 pm Post subject: Recovering MSSQL database from .mdf file only



Here's a technique to recover databases that were not detached cleanly and have no log file. However, it is not supported - if you want a fully supported resolution you need to contact Microsoft PSS.

This situation can arise when someone needs to create a valid database if provided an .mdf file.

You will need to modify it to use your mdf filename and folder paths.

1. Make sure you have a copy of Trouble_database.MDF
2. Create a new database called "fake" (default file locations)
3. Stop SQL Service
4. Delete the fake_Data.MDF and copy Trouble_database.MDF to where fake_Data.MDF used to be and rename the file to fake_Data.MDF
5. Start SQL Service
6. Database "fake" will appear as suspect in Enterprise Manager
7. Open Query Analyzer and in master database run the following:

Code:

```
sp_configure 'allow updates',1
go

reconfigure with override
go

update sysdatabases set
    status=-32768 where dbid=DB_ID('fake')
go

sp_configure 'allow updates',0
go

reconfigure with override
go
```

This will put the database in emergency recovery mode

8. Stop SQL Service
9. Delete the fake_Log.LDF file
10. Restart SQL Service
11. In QA run the following (with correct path for log)

Code:

```
dbcc rebuild_log('fake','h:\fake_log.ldf')
go

dbcc checkdb('fake') -- to check for errors
go
```

12. Now we need to rename the files; run the following (make sure there are no connections to it) in Query Analyzer (At this stage you can actually access the database so you could use DTS or bcp to move the data to another database .)

Code:

```
use master
go

sp_helpdb 'cp'
go

/* Make a note of the names of the files , you will need them in
the next bit of the script to replace datafilename and
logfilename - it might be that they have the right names */

sp_renamedb 'fake','CP'
go

alter database fake
MODIFY FILE(NAME='fake', NEWNAME = 'CP')
go

alter database CP
MODIFY FILE(NAME='fake_log', NEWNAME = 'CP_Log')
go

dbcc checkdb('CP')
go

sp_dboption 'CP','dbo use only','false'
go

use CP
go

sp_updatestats
go
```

13. You should now have a working database. However the log file will be small so it will be worth increasing its size Unfortunately your files will be called fake_Data.MDF and fake_Log.LDF but you can get round this by detaching the database properly and then renaming the files and reattaching it
14. Run the following in QA

Code:

```
sp_detach_db CP

--now rename the files then reattach

sp_attach_db 'CP', 'C:\SQLData\CP.mdf', 'C:\SQLData\CP_Log.ldf'
```

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ICQ Number

ehsanjahoon

Posted: Tue Nov 28, 2006 3:56 am Post subject: really thanks

Joined: 28 Nov 2006
Posts: 1

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