

Verifying backups of the master database

In SQL Backup Pro, you can include a database integrity check (DBCC CHECKDB) as part of a scheduled restore job, to verify that your backups can be used.

However, this process will not work with backups of the *master* database (which are restored for test purposes as a user database) as the integrity check will fail because the *master* database contains pages and metadata that cannot exist in user databases.

If the *master* database is restored from a backup as a user database (for example, as *master_Verification*) the database integrity check will fail with errors such as:

```
06/06/2012 13:05:05: SQL error 8992: Check Catalog Msg 3851, State 1: An invalid row (class=60,depid=1,depsubid=0) was found in the system table sys.syssingleobjrefs (class=60).

06/06/2012 13:05:05: SQL error 8992: Check Catalog Msg 3851, State 1: An invalid row (class=26,depid=1,depsubid=0,indepid=3,indepsubid=0) was found in the system table sys.systmultiobjrefs (class=26).

...

06/06/2012 13:05:05: SQL error 8906: Page (1:10) in database ID 21 is allocated in the SGAM (1:3) and PFS (1:1), but was not allocated in any IAM. PFS flags 'MIXED_EXT ALLOCATED 0_PCT_FULL'.

06/06/2012 13:05:05: SQL error 8954: CHECKDB found 1 allocation errors and 11 consistency errors not associated with any single object.

06/06/2012 13:05:05: SQL error 8989: CHECKDB found 1 allocation errors and 11 consistency errors in database 'master_Verification'.
```

How to verify backups of the master database

The following steps will provide some verification of your backups of the master database:

- Run DBCC CHECKDB on the original master database to ensure it is not corrupt.
- Schedule regular backups of the master database, including CHECKSUM and RESTORE VERIFYONLY in the backup job. (Select CHECKSUM and VERIFY on step 6 of the Schedule Backup Jobs wizard. If CHECKSUM is included in a backup, it will also be run on restore unless you specify NO_CHECKSUM by editing the [RESTORE command](#).)
- Schedule regular restores from the latest backup to a test database (for example, master_Verification) without a database integrity check. (Select Do not run database integrity check following restore on step 4 of the Schedule Restore Jobs wizard.)

Further information

For information about restoring the master database, see [Restoring Backups](#).

For information about backup verification, see [Backup Verification](#).

For more information about running DBCC CHECKDB on the master database, see [Paul Randall's post, 'Is my master database really corrupt?' on www.sqlmag.com](#).

For general information about DBCC CHECKDB, refer to your [SQL Server documentation](#).