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SQL Server Transaction Log Backups

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Overview

If your database is set to the "Full" or "Bulk-logged" recovery model then you will be able to issue "Transaction Log" backups. By having transaction log backups along with full backups you have the ability to do a point in time restore, so if someone accidently deletes all data in a database you can recover the database to the point in time right before the delete occurred. The only caveat to this is if your database is set to the "Bulk-logged" recovery model and a bulk operation was issued, you will need to restore the entire transaction log.

Explanation

A transaction log backup allows you to backup the active part of the transaction log. So after you issue a "Full" or "Differential" backup the transaction log backup will have any transactions that were created after those other backups completed. After the transaction log backup is issued, the space within the transaction

log can be reused for other processes. If a transaction log backup is not taken, the transaction log will continue to grow.

A transaction log backup can be completed either using T-SQL or by using SSMS. The following examples show you how to create a transaction log backup.

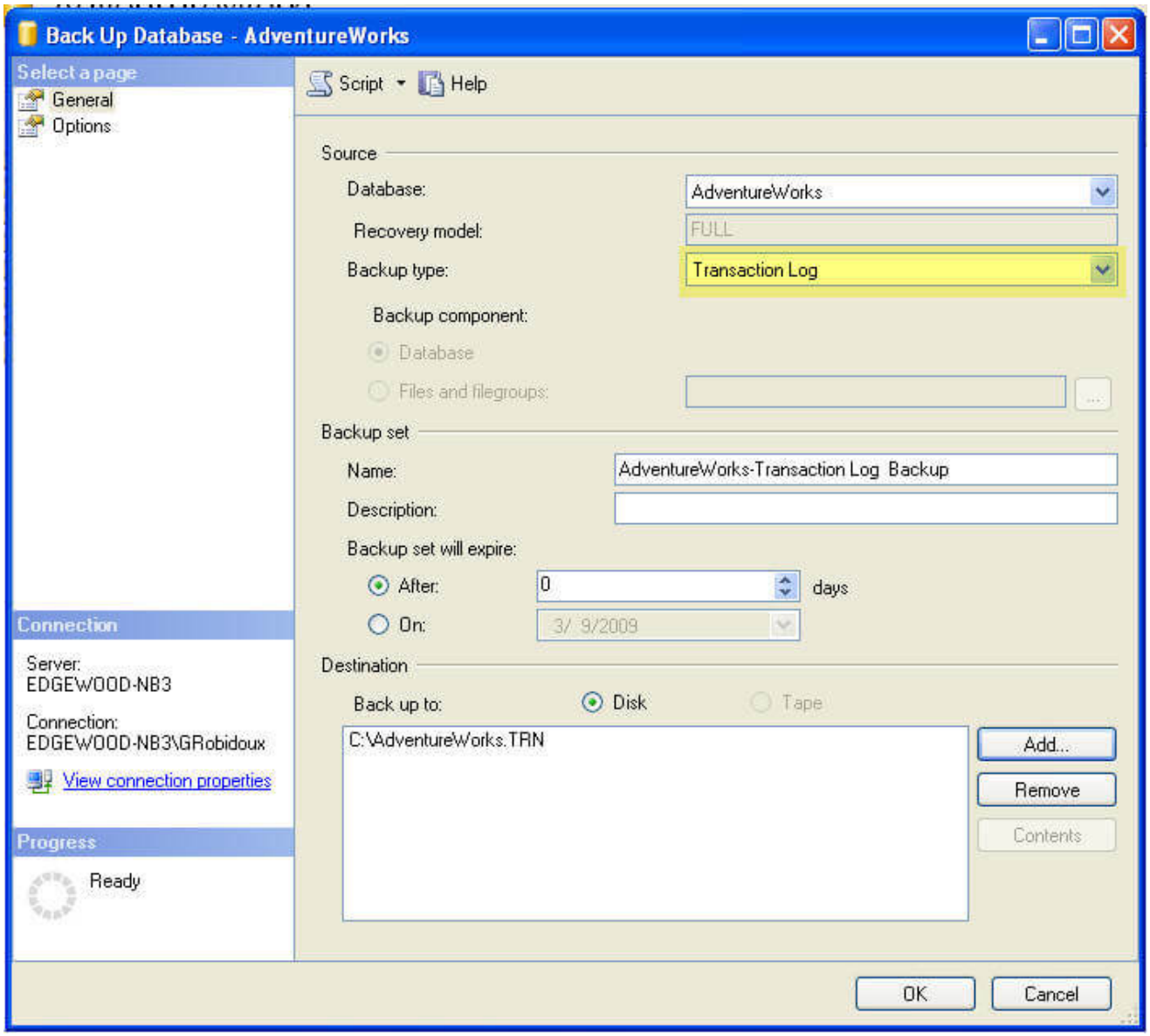
Create transaction log backup to one disk file

T-SQL

```
BACKUP LOG AdventureWorks TO DISK = 'C:\AdventureWorks.TRN'
GO
```

SQL Server Management Studio

- Right click on the database name
- Select Tasks > Backup
- Select "Transaction Log" as the backup type
- Select "Disk" as the destination
- Click on "Add..." to add a backup file and type "C:\AdventureWorks.TRN" and click "OK"
- Click "OK" again to create the backup



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*** NOTE *** - If you want to include code from SQL Server Management Studio (SSMS) in your post, please copy the code from SSMS and paste the code into a text editor like NotePad before copying the code below to remove the SSMS formatting.

p

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If the database is not being updated (no deletes, inserts or updates) and you take a full backup, since no data has changed you would not need to take a transaction log backup. The full backup will have all transactions.

If data is still being changed, then a transaction log backup will have those new transactions.

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AFTER PERFORMING THE FULL BACK, IF I HAVEN'T DONE ANY CHANGES OR ANY TRANSACTIONS ON DATABASE, SHOULD I NEED TO TAKE A LOG BACKUP ALSO OR NOT, IF YES, WHY SHOULD I...????

I WILL BE WAITING FOR THE ANSWER.. PLZ MAKE IT FAST.

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if your database is set to the "Bulk-logged" recovery model and a bulk operation was issued, you will need to restore the entire transaction log. but my question is how i ll get all my transaction log becoz my recovery model is bulk logged and my last transaction is bulk transaction so log will not be generate for bulk operation then how i ll get all transaction log to recovery the database? plz explain

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