MSSQLTips Free SQL Server Conference Registration + Travel Expenses click to learn more

SQL Server Recovery Models

Got Tempdb performance issues?
Quickly identify and resolve them with SQL Diagnostic Manager.
START MY FREE TRIAL
IDERA

By: Greg Robidoux

Overview

One of the first things that needs to be set in order to create the correct backups is to set the proper recovery model for each database. The recovery model basically tells SQL Server what data to keep in the transaction log file and for how long. Based on the recovery model that is selected, this will also determine what types of backups you can perform and also what types of database restores can be performed.

Explanation

The three types of recovery models that you can choose from are:

- Full
- Simple
- Bulk-Logged

Each database can have only one recovery model, but each of your databases can use a different recovery model, so depending on the processing and the backup needs you can select the appropriate recovery model per database. The only exception to this is the TempDB database which has to use the "Simple" recovery model.

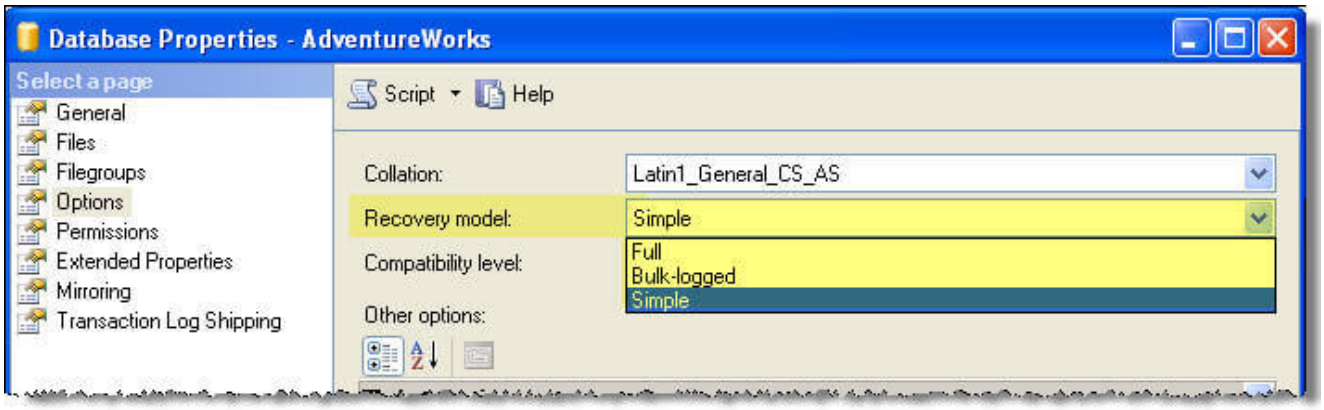
Also, the database recovery model can be changed at any time, but this will impact your backup chain, so it is a good practice to issue a full backup after you change your recovery model.

The recovery model can be changed by either using T-SQL or SQL Server Management Studio. Following are examples on how to do this.

Using T-SQL to change to the "Full" recovery for the AdventureWorks database.

```
ALTER DATABASE AdventureWorks SET RECOVERY FULL
GO
```

Using the SSMS to change the recovery model for the AdventureWorks database.



Additional Information

- Selecting the SQL Server database recovery model to ensure proper backups

<< Previous Next >>

More SQL Server Solutions

Got tempdb performance issues?
START MY TRIAL

SQL Monitor
Get your free ROI calculation
Start now

Get Free SQL Server Tips

SQL Server Performance Tuning Tutorial

Post a comment or let the author know this tip helped.

All comments are reviewed, so stay on subject or we may delete your comment. Note: your email address is not published. Required fields are marked with an asterisk (*).

*Name *Email Notify for updates

Send me SQL tips: ☐

I'm not a robot

reCAPTCHA
Privacy - Terms

Save Comment

Get Free SQL Tips

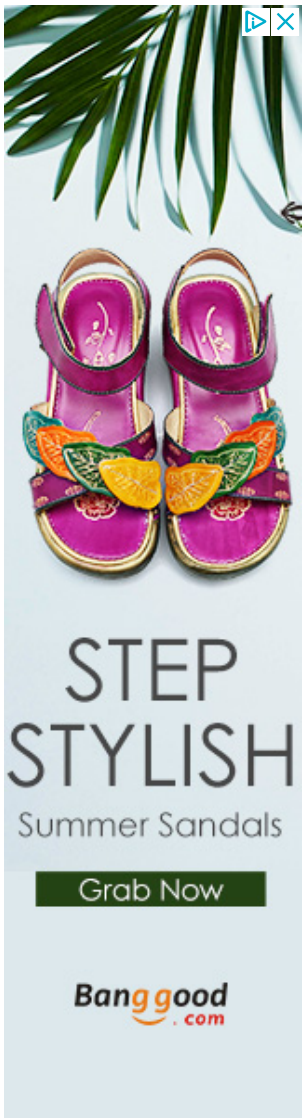
enter business email Join

Easily monitor and improve the performance of SQL Server, Azure and AWS instances **with SQL Doctor.**

[**Try it for free for 14 days**]

START MY TRIAL

IDERA



Copyright (c) 2006-2018 Edgewood Solutions, LLC All rights reserved

Some names and products listed are the registered trademarks of their respective owners.