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Procedure: SQL Server 2008/2008 R2 - Move tempdb to Improve Performance
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SQL SERVER 2008/2008 R2 – MOVE tempdb TO IMPROVE PERFORMANCE

By default, **tempdb** is placed on the same drive that **SQL Server** is installed on. This can impair performance as **tempdb** is frequently used to store temporary tables and objects. If the hard drive is being accessed for other functions, it can result in sluggish performance by the database as well as any software that is using the database.

For optimum performance, **tempdb** should be on a **SATA** drive instead of an **IDE drive** and should not be on the same drive as the **SQL Server** software or the operating system (**boot drive**).

1. Open **SQL Server Management Studio**.

2. Connect to the desired server.

3. Click the **New Query** button.

4. Copy and paste the following into the query pane:

```
USE master; GO
ALTER DATABASE tempdb
MODIFY FILE (NAME = tempdev, FILENAME = '[new location]\tempdb.mdf');
GO
ALTER DATABASE tempdb
MODIFY FILE (NAME = templog, FILENAME = '[new location]\templog.ldf');
GO
```

5. Change **[new location]** in the pasted code (for both the **tempdb.mdf** and **templog.ldf** files) to the path of the new location.

6. Click **Execute**.

7. Go to the **Control Panel** and then **Administrative Tools**. Select **Services**.

8. **Stop** and **restart** SQL Server (**MSSQLSERVER**).

9. Go back to **SQL Server Management Studio** and open a new query pane.

10. Execute the following to verify that **tempdb** was moved to the desired location:

```
SELECT name, physical_name FROM sys.master_files
WHERE database_id = DB_ID('tempdb');
```

11. You should see the path to the new location in the **physical_name** column.

12. If the move was successful, go to the old location and delete the tempdb.mdf and **tempdb.ldf** files as they are no longer needed.