**What is detaching and attaching a database**

The process of moving the data and the log files to another drive or server for performance reasons

**How to use detach and attach a database**

At times there may be a need to move a database to another physical drive or another physical server; if so, you can use the sprocs detach and attach or use a GUI

**Step by step moving a database**

--The following scripts will detach and then reattach the sales database

--Find the path of the database

sp\_helpdb sales

--Set the database to a single user mode

USE [master]

GO

ALTER DATABASE [Sales]

SET SINGLE\_USER WITH ROLLBACK IMMEDIATE

GO

--Detach the database using the sprocs

USE [master]

GO

EXEC master.dbo.sp\_detach\_db @dbname = N'Sales', @skipchecks = 'false'

GO

--Reattach the database using the FOR ATTACH command

USE [master]

GO

CREATE DATABASE [Sales] ON

( FILENAME = N'C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA\Sales.mdf' ),

( FILENAME = N'C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA\Sales\_log.ldf' )

FOR ATTACH --<<use for attach to attach the sales database

GO

Note: when moving a database using detach and attach, you will lose the users in the original database after the completion of the move to a new server. To resolve this, use the following sproc to link the user to the login in the new server.  
  
EXEC sp\_change\_users\_login 'Update\_One', 'Bob', 'Bob'