

**TempDB Optimization**

**Purpose:**

This stored procedure assists in managing the TempDB space by controlling file growth. It allows DBAs to simulate changes before applying them, log detailed output, and enforce modifications if necessary. This ensures efficient TempDB management while preventing unexpected space shortages.

This document guides how DBAs can effectively utilize the stored procedure in SQL Server. This procedure is designed to manage file growth and space allocation for TempDB files. Below are the details on how to use it with different parameters.

**Usage**

Execute the procedure using the following syntax:

***EXEC [DBA].[deploy].[SetTempDBGrowth]   
 @Percentage = '50',   
 @FileGrowth = 1024,   
 @Dryrun = 1,   
 @Verbose = 1,   
 @Force = 1;***

Parameters:

• @Percentage: (NVARCHAR) Specifies the percentage of free space to maintain.

• @FileGrowth: (INT) Defines the file growth in KB.

• @Dryrun: (BIT) If set to 1, simulates the execution without making changes.

• @Dryrun: (BIT) If set to 0, execute the changes.

• @Verbose: (BIT) If set to 0, provides detailed logging of operations.

• @Force: (BIT) If set to 0, shows the data printed on screen.