

DAILY USAGE COMMANDS FOR DBA'S

Locate Database Files:

Use SQL command: `SELECT * FROM sysaltfiles WHERE filename LIKE 'd%'`

Shrink a Full Log File:

Commands: `BACKUP LOG dbname WITH NO_LOG` and `DBCC SHRINKFILE(2)`

Check Open Transactions:

Use: `DBCC OPENTRAN`

Detect Blocked Process:

Query: `SELECT * FROM sysprocesses WHERE blocked > 0 AND spid = 57`

Buffer Cache Hit Ratio < 90:

Explanation: Indicates potential performance issues and reduced cache effectiveness due to bottlenecks.

View Database Status:

Command: `DBCC SHOWFILESTATS`

Check CPU Usage (when buffer cache hit ratio < 90):

Query: `SELECT * FROM sys.sysprocesses ORDER BY cpu ASC`

Get Table Information:

Query: `SELECT * FROM sysobjects WHERE name LIKE '%table_name%'`

Retrieve Data from Linked Server:

Query: `SELECT * FROM LinkedServer.DBName.SchemaName.TableName`

Find Service Pack Version:

Query: `SELECT SERVERPROPERTY('PRODUCTLEVEL')`

View Server Collation Setting:

Command: SP_HELPSORT

Check Log Usage:

Query: SELECT * FROM sys.databases WHERE name LIKE '%log_reuse_wait_desc%'

See Connection Information with DMVs:

Query: SELECT * FROM sys.dm_exec_sessions

View Transaction Isolation Level:

Command: DBCC USEROPTIONS

Change Database Compatibility Level (SQL 2016 to 2019):

Execute: EXEC sp_dbcmptlevel AdventureWorks, 150

Check Query Memory Usage:

Query: SELECT * FROM sys.dm_exec_query_memory_grants

Clear Buffer Cache Data:

Command: DBCC DROPCLEANBUFFERS

Monitor Tempdb Space Allocation:

Query: SELECT * FROM sys.dm_db_session_space_usage or
sys.dm_db_task_space_usage

Get Index Usage Stats:

Query: SELECT * FROM sys.dm_db_index_usage_stats ORDER BY object_id,
index_id

List Schedulers and Runnable Tasks:

Query: SELECT * FROM sys.dm_os_schedulers WHERE scheduler_id < 255

Identify High CPU Queries:

Query: SELECT * FROM sys.dm_exec_query_stats

Check for Active Parallel Requests:

Query: `SELECT * FROM sys.dm_exec_requests`

View Lock Information:

Query: `SELECT * FROM sys.dm_tran_locks`

Open Cluster Administrator

Command: `cluadmin.msc`

sp_readerrorlog:

Purpose: To view the error log.

sp_helpdb:

Purpose: To view information about databases.

sp_helplogins 'Loginname':

Purpose: To verify the permissions of a specific login.

sp_helpuser:

Purpose: To verify the users in the database.

xp_logininfo 'Loginname':

Purpose: To verify Active Directory login group information for a login.

sp_who2:

Purpose: To view the processes running on SQL Server.

sp_who2 active:

Purpose: To view details of processes running on SQL Server.

select * from sys.sysprocesses where blocked != 0:

Purpose: To view processes that are currently blocked.

DBCC OPENTRAN:

Purpose: To get information about open transactions in the database.

DBCC INPUTBUFFER(spId):

Purpose: To view the current query being executed by a specific process (identified by its SPID).

DBCC SQLPERF(logspace):

Purpose: To view information about the log space usage.

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