Group sql profiler resultat:

SELECT COUNT(\*) AS TotalExecutions,

EventClass, CAST(TextData as nvarchar(2000))

,SUM(Duration) AS DurationTotal

,SUM(CPU) AS CPUTotal

,SUM(Reads) AS ReadsTotal

,SUM(Writes) AS WritesTotal

,MAX(Reads) as maxread

FROM [trace-visma-alt]

--where EventClass not like 13 and eventclass not like 15

GROUP BY EventClass, CAST(TextData as nvarchar(2000))

ORDER BY maxread DESC

Backup script:

DECLARE @name VARCHAR(50) -- database name

DECLARE @path VARCHAR(256) -- path for backup files

DECLARE @fileName VARCHAR(256) -- filename for backup

DECLARE @fileDate VARCHAR(20) -- used for file name

-- specify database backup directory

SET @path = 'P:\UDISIA\_DATA\BACKUP\'

-- specify filename format

SELECT @fileDate = CONVERT(VARCHAR(20),GETDATE(),112)

DECLARE db\_cursor CURSOR FOR

SELECT name

FROM master.dbo.sysdatabases

WHERE name NOT IN ('master','model','msdb','tempdb') -- exclude these databases

OPEN db\_cursor

FETCH NEXT FROM db\_cursor INTO @name

WHILE @@FETCH\_STATUS = 0

BEGIN

SET @fileName = @path + @name + '\_' + @fileDate + '.BAK'

BACKUP DATABASE @name TO DISK = @fileName with compression, copy\_only, stats=10

FETCH NEXT FROM db\_cursor INTO @name

END

CLOSE db\_cursor

DEALLOCATE db\_cursor

Clear waits

DBCC SQLPERF('sys.dm\_os\_wait\_stats', CLEAR)

Waits stats

WITH [Waits] AS

    (SELECT

        [wait\_type],

        [wait\_time\_ms] / 1000.0 AS [WaitS],

        ([wait\_time\_ms] - [signal\_wait\_time\_ms]) / 1000.0 AS [ResourceS],

        [signal\_wait\_time\_ms] / 1000.0 AS [SignalS],

        [waiting\_tasks\_count] AS [WaitCount],

        100.0 \* [wait\_time\_ms] / SUM ([wait\_time\_ms]) OVER() AS [Percentage],

        ROW\_NUMBER() OVER(ORDER BY [wait\_time\_ms] DESC) AS [RowNum]

    FROM sys.dm\_os\_wait\_stats

    WHERE [wait\_type] NOT IN (

        N'BROKER\_EVENTHANDLER',             N'BROKER\_RECEIVE\_WAITFOR',

        N'BROKER\_TASK\_STOP',                N'BROKER\_TO\_FLUSH',

        N'BROKER\_TRANSMITTER',              N'CHECKPOINT\_QUEUE',

        N'CHKPT',                           N'CLR\_AUTO\_EVENT',

        N'CLR\_MANUAL\_EVENT',                N'CLR\_SEMAPHORE',

        N'DBMIRROR\_DBM\_EVENT',              N'DBMIRROR\_EVENTS\_QUEUE',

        N'DBMIRROR\_WORKER\_QUEUE',           N'DBMIRRORING\_CMD',

        N'DIRTY\_PAGE\_POLL',                 N'DISPATCHER\_QUEUE\_SEMAPHORE',

        N'EXECSYNC',                        N'FSAGENT',

        N'FT\_IFTS\_SCHEDULER\_IDLE\_WAIT',     N'FT\_IFTSHC\_MUTEX',

        N'HADR\_CLUSAPI\_CALL',               N'HADR\_FILESTREAM\_IOMGR\_IOCOMPLETION',

        N'HADR\_LOGCAPTURE\_WAIT',            N'HADR\_NOTIFICATION\_DEQUEUE',

        N'HADR\_TIMER\_TASK',                 N'HADR\_WORK\_QUEUE',

        N'KSOURCE\_WAKEUP',                  N'LAZYWRITER\_SLEEP',

        N'LOGMGR\_QUEUE',                    N'ONDEMAND\_TASK\_QUEUE',

        N'PWAIT\_ALL\_COMPONENTS\_INITIALIZED',

        N'QDS\_PERSIST\_TASK\_MAIN\_LOOP\_SLEEP',

        N'QDS\_SHUTDOWN\_QUEUE',

        N'QDS\_CLEANUP\_STALE\_QUERIES\_TASK\_MAIN\_LOOP\_SLEEP',

        N'REQUEST\_FOR\_DEADLOCK\_SEARCH',     N'RESOURCE\_QUEUE',

        N'SERVER\_IDLE\_CHECK',               N'SLEEP\_BPOOL\_FLUSH',

        N'SLEEP\_DBSTARTUP',                 N'SLEEP\_DCOMSTARTUP',

        N'SLEEP\_MASTERDBREADY',             N'SLEEP\_MASTERMDREADY',

        N'SLEEP\_MASTERUPGRADED',            N'SLEEP\_MSDBSTARTUP',

        N'SLEEP\_SYSTEMTASK',                N'SLEEP\_TASK',

        N'SLEEP\_TEMPDBSTARTUP',             N'SNI\_HTTP\_ACCEPT',

        N'SP\_SERVER\_DIAGNOSTICS\_SLEEP',     N'SQLTRACE\_BUFFER\_FLUSH',

        N'SQLTRACE\_INCREMENTAL\_FLUSH\_SLEEP',

        N'SQLTRACE\_WAIT\_ENTRIES',           N'WAIT\_FOR\_RESULTS',

        N'WAITFOR',                         N'WAITFOR\_TASKSHUTDOWN',

        N'WAIT\_XTP\_HOST\_WAIT',              N'WAIT\_XTP\_OFFLINE\_CKPT\_NEW\_LOG',

        N'WAIT\_XTP\_CKPT\_CLOSE',             N'XE\_DISPATCHER\_JOIN',

        N'XE\_DISPATCHER\_WAIT',              N'XE\_TIMER\_EVENT')

    AND [waiting\_tasks\_count] > 0

)

SELECT

    MAX ([W1].[wait\_type]) AS [WaitType],

    CAST (MAX ([W1].[WaitS]) AS DECIMAL (16,2)) AS [Wait\_S],

    CAST (MAX ([W1].[ResourceS]) AS DECIMAL (16,2)) AS [Resource\_S],

    CAST (MAX ([W1].[SignalS]) AS DECIMAL (16,2)) AS [Signal\_S],

    MAX ([W1].[WaitCount]) AS [WaitCount],

    CAST (MAX ([W1].[Percentage]) AS DECIMAL (5,2)) AS [Percentage],

    CAST ((MAX ([W1].[WaitS]) / MAX ([W1].[WaitCount])) AS DECIMAL (16,4)) AS [AvgWait\_S],

    CAST ((MAX ([W1].[ResourceS]) / MAX ([W1].[WaitCount])) AS DECIMAL (16,4)) AS [AvgRes\_S],

    CAST ((MAX ([W1].[SignalS]) / MAX ([W1].[WaitCount])) AS DECIMAL (16,4)) AS [AvgSig\_S]

FROM [Waits] AS [W1]

INNER JOIN [Waits] AS [W2]

    ON [W2].[RowNum] <= [W1].[RowNum]

GROUP BY [W1].[RowNum]

HAVING SUM ([W2].[Percentage]) - MAX ([W1].[Percentage]) < 95; -- percentage threshold

GO

Missing index:

SELECT TOP 100

dm\_mid.database\_id AS DatabaseID,

dm\_migs.avg\_user\_impact\*(dm\_migs.user\_seeks+dm\_migs.user\_scans)Avg\_Estimated\_Impact,

dm\_migs.last\_user\_seek AS Last\_User\_Seek,

OBJECT\_NAME(dm\_mid.OBJECT\_ID,dm\_mid.database\_id) AS [TableName],

'CREATE INDEX [IX\_' +OBJECT\_NAME(dm\_mid.OBJECT\_ID,dm\_mid.database\_id) + '\_'

+ REPLACE(REPLACE(REPLACE(ISNULL(dm\_mid.equality\_columns,''),', ','\_'),'[',''),']','') +

CASE

WHEN dm\_mid.equality\_columns IS NOT NULL AND dm\_mid.inequality\_columns IS NOT NULL THEN '\_'

ELSE ''

END

+ REPLACE(REPLACE(REPLACE(ISNULL(dm\_mid.inequality\_columns,''),', ','\_'),'[',''),']','')

+ ']'

+ ' ON ' + dm\_mid.statement

+ ' (' + ISNULL (dm\_mid.equality\_columns,'')

+ CASE WHEN dm\_mid.equality\_columns IS NOT NULL AND dm\_mid.inequality\_columns IS NOT NULL THEN ',' ELSE

'' END

+ ISNULL (dm\_mid.inequality\_columns, '')

+ ')'

+ ISNULL (' INCLUDE (' + dm\_mid.included\_columns + ')', '') AS Create\_Statement

FROM sys.dm\_db\_missing\_index\_groups dm\_mig

INNER JOIN sys.dm\_db\_missing\_index\_group\_stats dm\_migs

ON dm\_migs.group\_handle = dm\_mig.index\_group\_handle

INNER JOIN sys.dm\_db\_missing\_index\_details dm\_mid

ON dm\_mig.index\_handle = dm\_mid.index\_handle

WHERE dm\_mid.database\_ID = DB\_ID()

ORDER BY Avg\_Estimated\_Impact DESC

GO

Get SQL instance Memory usage

SELECT object\_name, counter\_name, cntr\_value AS 'Total Server Memory (KB)'

FROM sys.dm\_os\_performance\_counters

WHERE counter\_name = 'Total Server Memory (KB)'