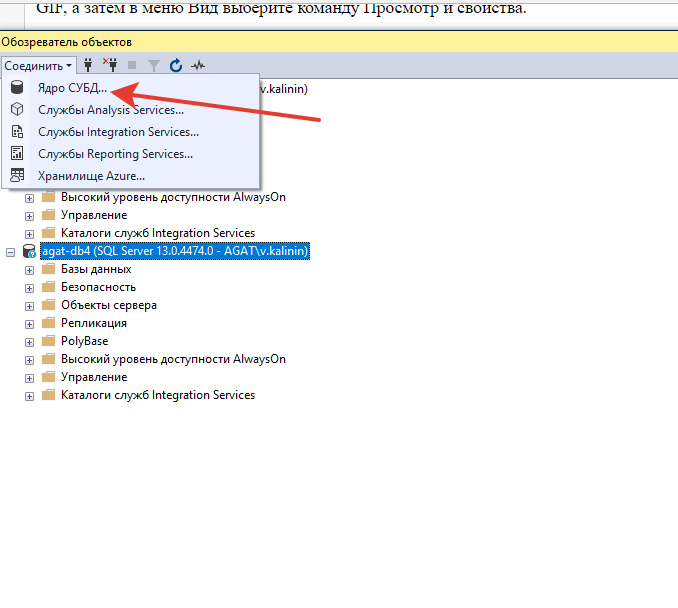
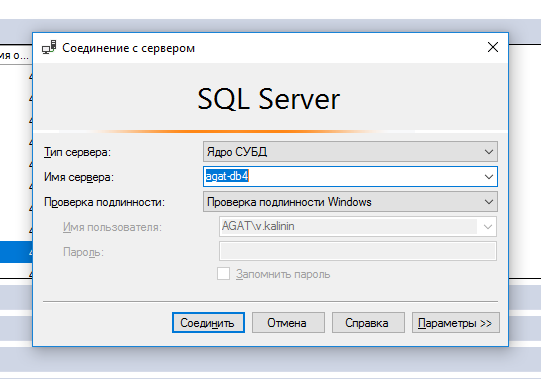
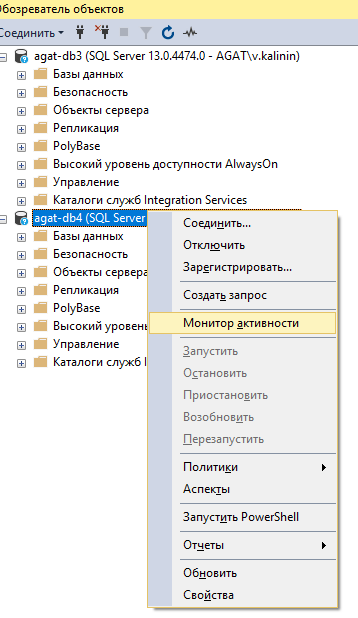
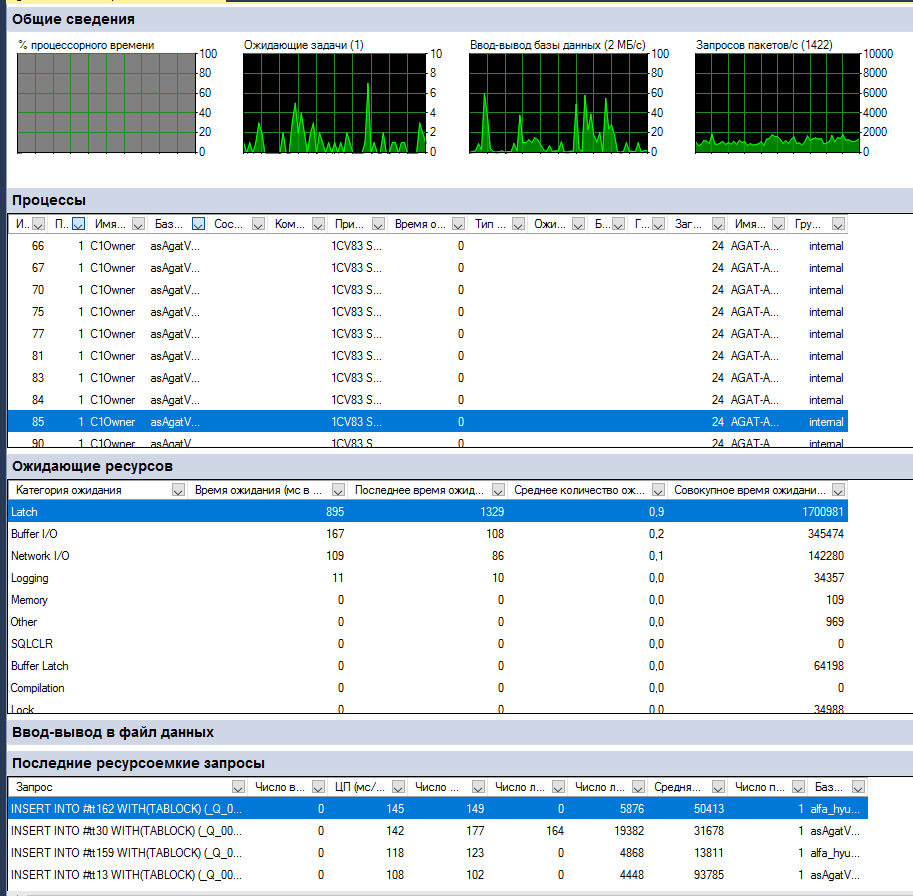
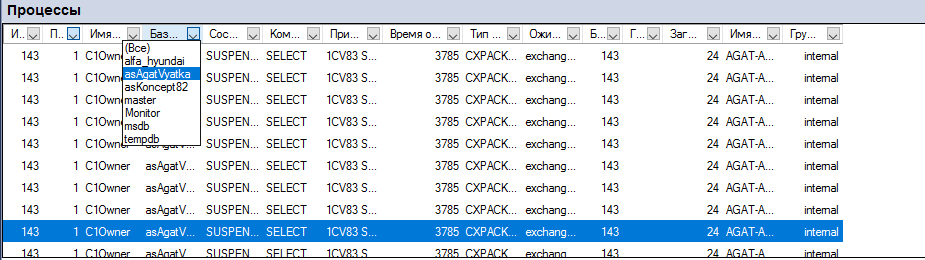
# Монитор Активности

Все мы прекрасно знаем , что по каждый запуск 1с создается сеанс на кластере серверов 1С. Каждый сеанс , при ображению к MS SQL создает соединение. Соединения группируются в рабочие Процессы Кластера 1с (rphost) . Для работы со скулем вам понадобится мэнеджмент студия (скачать можно здесь <https://docs.microsoft.com/ru-ru/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-2017> )



В консольке нажимаем «Содинить» -Ядро СУБД. Логинемся под собой

Правой кнопкой и выбираем монитор активности. На данном мониторе изображены несколько вкладок . В часточти нас интересуют вкладка процессы

Можно кликнуть на поле база и отобрать процессы в интересуемой нас базе.

Для того ,чтобы завершить процесс , необходимо на него кликнуть и нажать «Завершить процесс».

# Как Узнать активные запросы

В форме обозревателя правой кнопкой на сервер и выбираем создать запрос . Пишем

exec sp\_whoIsActive

И выполняем, в результате вернутся все актуальные запросы.

# Немного полезных скриптов

1. Убить все процессы

USE [master];

DECLARE @kill varchar(8000) = '';

SELECT @kill = @kill + 'kill ' + CONVERT(varchar(5), session\_id) + ';'

FROM sys.dm\_exec\_sessions

WHERE database\_id = db\_id('asKoncept82')

EXEC(@kill);

1. Узнать размер таблиц

SELECT

t.NAME AS TableName,

s.Name AS SchemaName,

p.rows AS RowCounts,

SUM(a.total\_pages) \* 8 AS TotalSpaceKB,

SUM(a.used\_pages) \* 8 AS UsedSpaceKB,

(SUM(a.total\_pages) - SUM(a.used\_pages)) \* 8 AS UnusedSpaceKB

FROM

sys.tables t

INNER JOIN

sys.indexes i ON t.OBJECT\_ID = i.object\_id

INNER JOIN

sys.partitions p ON i.object\_id = p.OBJECT\_ID AND i.index\_id = p.index\_id

INNER JOIN

sys.allocation\_units a ON p.partition\_id = a.container\_id

LEFT OUTER JOIN

sys.schemas s ON t.schema\_id = s.schema\_id

WHERE

t.NAME NOT LIKE 'dt%'

AND t.is\_ms\_shipped = 0

AND i.OBJECT\_ID > 255

GROUP BY

t.Name, s.Name, p.Rows

ORDER BY

t.Name

1. Ресурсоемкие запросы за 1 час (можно изменить интервал параметра)

DECLARE @StartTime datetime;

DECLARE @EndTime datetime;

Set @StartTime = DATEADD(hour,-1,GETDATE());

Set @EndTime = GETDATE();

select

top 1000

creation\_time,

last\_execution\_time,

execution\_count,

total\_worker\_time/1000 as CPU,

convert(money, (total\_worker\_time))/(execution\_count\*1000)as [AvgCPUTime],

qs.total\_elapsed\_time/1000 as TotDuration,

convert(money, (qs.total\_elapsed\_time))/(execution\_count\*1000)as [AvgDur],

total\_logical\_reads as [Reads],

total\_logical\_writes as [Writes],

total\_logical\_reads+total\_logical\_writes as [AggIO],

convert(money, (total\_logical\_reads+total\_logical\_writes)/(execution\_count + 0.0))as [AvgIO],

case

when sql\_handle IS NULL then ' '

else(substring(st.text,(qs.statement\_start\_offset+2)/2,(

case

when qs.statement\_end\_offset =-1 then len(convert(nvarchar(MAX),st.text))\*2

else qs.statement\_end\_offset

end - qs.statement\_start\_offset)/2 ))

end as query\_text,

db\_name(st.dbid)as database\_name,

object\_schema\_name(st.objectid, st.dbid)+'.'+object\_name(st.objectid, st.dbid) as object\_name

from sys.dm\_exec\_query\_stats qs

cross apply sys.dm\_exec\_sql\_text(plan\_handle) st

where total\_logical\_reads > 0 AND last\_execution\_time > @StartTime AND last\_execution\_time < @EndTime

order by AvgIO desc

1. Текущие ожидания скуля

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',

-- Maybe uncomment these four if you have mirroring issues

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',

-- Maybe uncomment these six if you have AG issues

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'MEMORY\_ALLOCATION\_EXT',

N'ONDEMAND\_TASK\_QUEUE',

N'PREEMPTIVE\_XE\_GETTARGETSTATE',

N'PWAIT\_ALL\_COMPONENTS\_INITIALIZED',

N'PWAIT\_DIRECTLOGCONSUMER\_GETNEXT',

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

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

N'QDS\_SHUTDOWN\_QUEUE', N'REDO\_THREAD\_PENDING\_WORK',

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\_RECOVERY',

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],

CAST ('https://www.sqlskills.com/help/waits/' + MAX ([W1].[wait\_type]) as XML) AS [Help/Info URL]

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