

L O S S E C R E T O S
D E L
M O N I T O R E O
E N S Q L
S E R V E R



DAT
OPTIM



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¿CÓMO AVANZAMOS EN ESTA SESIÓN?

Conceptos

- Recursos del OS
- Métricas
- Transacciones
- Concurrencia
- Locks

¿CÓMO AVANZAMOS EN ESTA SESIÓN?

Preguntas en vivo:

- Vía Q&A de la sesión TEAMS

Posteriores

- A los contactos

MONITOR DE BASE DE DATOS

MICROSOFT SQL SERVER

*Ya sabemos que el
monitoreo es importante,
pero...*

¿Qué monitoreamos?

Fragmentación
de Índices

Page life expectancy

Logins

Alta Disponibilidad

Plan Cache

Estadísticas

“Bloqueos”

Espacio Libre

sp_who

Activity
Monitor

Network

CPU/RAM/IO

Wait Stats

DBCC Checkdb

*¿Qué herramientas
tenemos?*

TOOLS

Monitor de Sistema Operativo

Monitor de Base de Datos

TOOLS

- Task Manager
- Performance Monitor
- Activity Monitor
- Scripts
- Extended Events
- Reportes Nativos

¿Cuál es el objetivo?

OBJETIVO



AUDIT

PERFORMANCE

OBJETIVO

AUDIT

SQLQuery6.sql - SQL...Administrator (53)) * - X									
1 sp_ReportCache									
150 %									
Results Messages									
ExecCount	Text	QueryText	QueryPlan	PlanCreatedAt	LastExecutedAt	last_logical_reads	total_elapsed_time	last_elapsed_time	LastD
1	SELECT dtb.name AS [Name], dtb.database_id AS [ID], C...	SELECT dtb.name AS [Name], dtb.database_id AS [ID], CA...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:48:20.530	2020-07-25 06:48:20.540	74	711	711	1
1	(@_mtparam_0 nvarchar(4000))SELECT dtb.collation_na...	SELECT dtb.collation_name AS [Collation], dtb.name AS [D...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:48:20.507	2020-07-25 06:48:20.523	8	215	215	1
1	DECLARE @edition sysname; SET @edition = cast(SER...	select host_platform from sys.dm_os_host_info	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:48:20.217	2020-07-25 06:48:20.220	0	28	28	1
12	SELECT target_data FROM sys.dm_xe_session_targ...	SELECT target_data FROM sys.dm_xe_session_targ...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 05:52:41.210	2020-07-25 06:47:42.760	0	784328	37713	1
10	(@used_memory_count_ratio float) select /* {5552be2b-4...	select /* {5552be2b-479f-4285-ab1c-5bb04db14dce} TEM...	NULL	2020-07-25 05:49:42.543	2020-07-25 06:43:48.243	492	24500	2162	1
1	if exists(select * from sys.server_event_sessions where na...	if not exists (select * from sys.dm_xe_sessions where name ...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:42:42.733	2020-07-25 06:42:42.743	0	48	48	1
1	if exists(select * from sys.server_event_sessions where na...	if exists(select * from sys.server_event_sessions where nam...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:42:42.730	2020-07-25 06:42:42.733	30	152	152	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.657	2020-07-25 06:39:27.773	2	61	16	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.663	2020-07-25 06:39:27.773	2	84	24	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.640	2020-07-25 06:39:27.773	2	61	15	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.647	2020-07-25 06:39:27.773	2	70	23	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.627	2020-07-25 06:39:27.773	2	59	16	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.633	2020-07-25 06:39:27.773	2	67	24	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.610	2020-07-25 06:39:27.773	2	63	17	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.617	2020-07-25 06:39:27.773	2	100	24	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.593	2020-07-25 06:39:27.770	2	60	16	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.600	2020-07-25 06:39:27.770	2	66	24	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.580	2020-07-25 06:39:27.770	2	61	17	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.587	2020-07-25 06:39:27.770	2	69	24	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.563	2020-07-25 06:39:27.770	2	62	18	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.570	2020-07-25 06:39:27.770	2	71	26	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.550	2020-07-25 06:39:27.770	2	56	12	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.databases WHERE DB_...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.557	2020-07-25 06:39:27.770	2	68	26	1
2	CREATE PROC sys.sp_flush_commit_table_on_demand (...	IF EXISTS (SELECT * FROM sys.change_tracking_databa...	<ShowPlanXML xmlns="http://schemas.microsoft.com...	2020-07-25 06:09:24.530	2020-07-25 06:39:27.770	2	71	25	1

OBJETIVO



PERFORMANCE

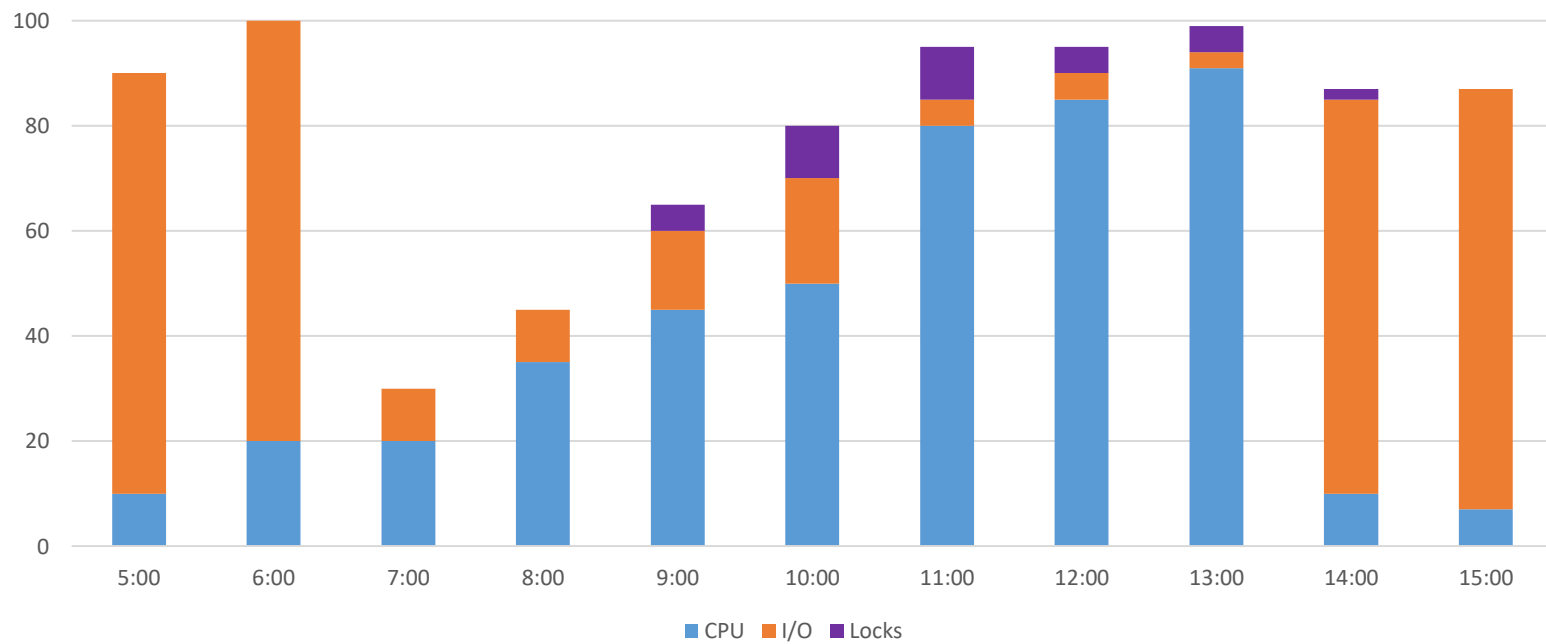


CASO

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Análisis de Comportamiento

Viernes 24 Julio



D E M O

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R E C A P

No hay métricas buenas ni malas

Hay métricas que se basan en objetivos

R E C A P

¿Es importante el monitoreo?

- No tengas dudas de ello

Pero más importante es setear tus objetivos

Captura, genera línea base, analiza

*¿El rendimiento de tus consultas
es el que tú esperas?*

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MÁS DETALLES?

<https://datoptim.com/deadlock-sql-server/>
<https://datoptim.com/bloqueos-sqlserver/>
<https://datoptim.com/performance-counters-de-sql-server/>
<https://datoptim.com/como-usar-sqlcmd/>
<https://datoptim.com/historial-consultas-sql-server/>