



Performance Analysis
-
SQL Perform Tools
-
Decora Blind Systems Ltd



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Version 1



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Introduction

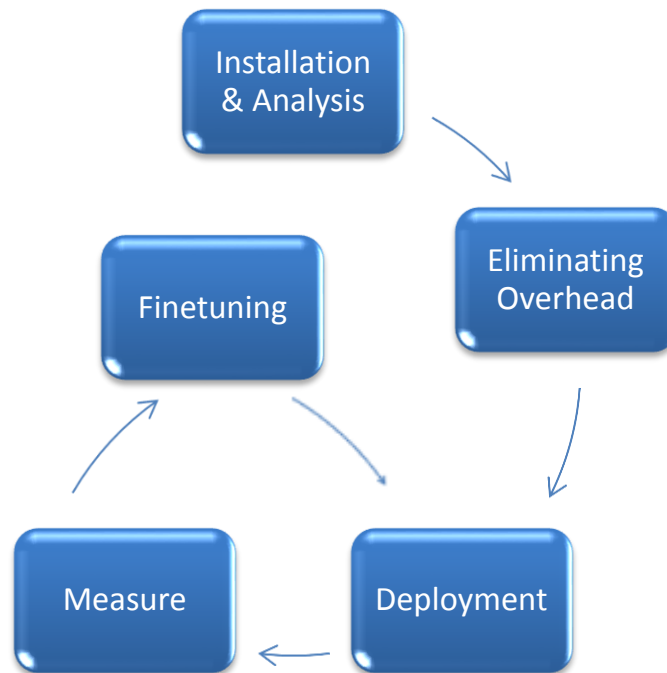
DECORA uses Navision for its internal administrative processes.

DECORA has chosen the SQL Perform Tools for optimizing the performance of the system and quickly analyses potential problems.

DECORA has asked SQL Perform Benelux B.V. to do an analysis of the system using the methodology of SQL Perform Ltd.

Methodology

A normal performance project has three phases.



Phase 1

Installing Perform Tools and measuring performance. This phase usually takes a week after which a project plan will be made and recommendations will be given.

Phase 2

Implementing the recommendations. Usually this includes an index tuning.

Phase 3

After care. During this phase the system is monitored and if necessary further adjusted.

Hardware

Virtual Server

Virtual Server based on VMware

Windows edition

Windows Server 2008 R2 Enterprise

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Service Pack 1

System

Processor: Intel(R) Xeon(R) CPU X5690 @ 3.47GHz 3.46 GHz
Installed memory (RAM): 136 GB
System type: 64-bit Operating System
Pen and Touch: No Pen or Touch Input is available for this Display

Computer name, domain, and workgroup settings

Computer name: Navision2
Full computer name: Navision2.decora.local
Computer description:
Domain: decora.local

Processors

The screenshot shows the CPU-Z application window. The 'CPU' tab is selected. The processor is identified as an Intel Xeon X5690. The interface includes tabs for CPU, Caches, Mainboard, Memory, SPD, Graphics, and About. The processor details are as follows:

Processor			
Name	Intel Xeon		
Code Name	Westmere-EP	Max TDP	0 W
Package	Socket 1366 LGA		
Technology	32 nm	Core Voltage	
Specification			
Intel(R) Xeon(R) CPU X5690 @ 3.47GHz			
Family	6	Model	C
Ext. Family	6	Ext. Model	2C
Stepping	2	Revision	B1
Instructions	MMX, SSE (1, 2, 3, 3S, 4.1, 4.2), EM64T, AES		

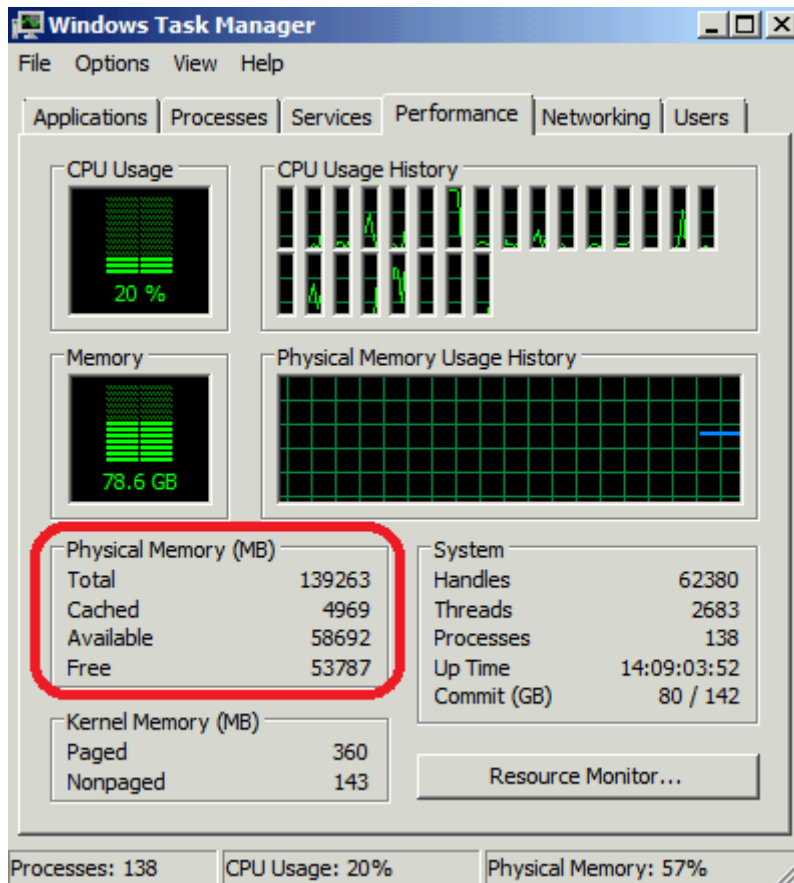
Clocks (Core #0)		Cache	
Core Speed	3400.1 MHz	L1 Data	24 x 32 KBytes 8-way
Multiplier	x 17.0	L1 Inst.	24 x 32 KBytes 4-way
Bus Speed	200.0 MHz	Level 2	24 x 256 KBytes 8-way
Rated FSB		Level 3	24 x 12 MBytes 16-way

Selection: Processor #1 | Cores: 24 | Threads: 24

Buttons: Validate, OK

Version: CPU-Z Version 1.58

Memory



Storage system

Disk Management Volume List + Graphical View										
Volume	Layout	Type	File System	Status	Capacity	Free Space	% Free	Fault Tolerance	Overhead	
Backup (E:)	Simple	Basic	NTFS	Healthy (Primary Partition)	230.00 GB	103.82 GB	45 %	No	0%	
Data (F:)	Simple	Basic	NTFS	Healthy (Primary Partition)	555.00 GB	143.58 GB	26 %	No	0%	
Logs (D:)	Simple	Basic	NTFS	Healthy (Primary Partition)	310.00 GB	15.24 GB	5 %	No	0%	
OS (C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash D...	126.90 GB	31.63 GB	25 %	No	0%	
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary ...	100 MB	72 MB	72 %	No	0%	
VMGUEST (V:)	Simple	Basic	CDFS	Healthy (Primary Partition)	26 MB	0 MB	0 %	No	0%	

Disk 0 Basic 127.00 GB Online	System Reserved 100 MB NTFS Healthy (System, Active, Prima	OS (C:) 126.90 GB NTFS Healthy (Boot, Page File, Crash Dump, Primary Partition)
Disk 1 Basic 310.00 GB Online	Logs (D:) 310.00 GB NTFS Healthy (Primary Partition)	
Disk 2 Basic 230.00 GB Online	Backup (E:) 230.00 GB NTFS Healthy (Primary Partition)	
Disk 3 Basic 555.00 GB Online	Data (F:) 555.00 GB NTFS Healthy (Primary Partition)	
CD-ROM 0 DVD 26 MB Online	VMGUEST (V:) 26 MB CDFS Healthy (Primary Partition)	

Installation

SQL Server Setup

SQL setup for database DecoraERP on Oct 14 2015

```
SQL Server:
SQL Server Name ..... NAVISION2
SQL Version ..... 10.50.1600.1
Edition ..... Standard Edition (64-bit)
Installed on (Y-M-D)..... 2011-11-25
Last re-started on (Y-M-D).... 2015-09-30 23:21:28
Last DBCC CHECKDB date (Y-M-D).. Never
Clustered..... No
HADR enabled..... Not applicable
Buffer Pool Extension..... Not applicable
Server Authentication ..... SQL Server and Windows Authentication mode
Login Auditing..... Failed logins only
Default Login..... guest
Default Domain..... DECORA
SQL Server Service Login Acc... decora\administrator
SQL Agent Service Login Acc... decora\administrator
License Type..... DISABLED
Platform ..... NT x64
Windows Version ..... Windows NT 6.1 <X64> (Build 7601: Service Pack 1)
(Hypervisor)
Processor Type ..... Intel(R) Xeon(R) CPUX5690 @ 3.47GHz
Physical Processor Count ..... 1
Logical Processor Count ..... 24
Physical Memory ..... 139264 (146028421120)
Using Locked Pages ..... No
Server Collation ..... Latin1_General_CI_AS
There are no trace flags enabled in SQL Server.
SQL Traces running ..... 3. See details below:
  id status filename
  1 running c:\program files\...\log\log_10214.trc
  2 running c:\program files\...\data\timeout.trc
  3 running c:\program files\...\data\deadlock.trc
```

```
TempDB Database:
Collation Type ..... Windows Collation
TempDB Collation ..... Latin1_General_CI_AS
Recovery Model ..... SIMPLE
Auto Create Statistics..... Yes
Auto Update Statistics..... Yes
```

```
NAV Database:
Collation Type ..... SQL Collation 52
Collation ..... SQL_Latin1_General_CP1_CI_AS
Recovery Model ..... FULL
Auto Create Statistics..... Yes
Auto Update Statistics..... Yes
```

```
TempDB Database Files.....
C:\Program Files\...\DATA\tempdb.mdf
C:\Program Files\...\DATA\templog.ldf
C:\Program Files\...\DATA\tempdev1.ndf
C:\Program Files\...\DATA\tempdev2.ndf
C:\Program Files\...\DATA\tempdev3.ndf
C:\Program Files\...\DATA\tempdev4.ndf
C:\Program Files\...\DATA\tempdev6.ndf
C:\Program Files\...\DATA\tempdev7.ndf
```

```
NAV Database Files.....
F:\DecoraERP_Data\DecoraERP_Data.mdf
D:\DecoraERP_LOG\DecoraERP_Log.ldf
F:\DecoraERP_Data\DecoraERP_1_Data.ndf
F:\DecoraERP_Data\DecoraERP_2_Data.ndf
```


Name	Minimum	Maximum	Default	Changed	Configured	Runtime
access check cache bucket count	0	65536	0	---	0	0
access check cache quota	0	2147483647	0	---	0	0
Ad Hoc Distributed Queries	0	1	0	---	0	0
affinity I/O mask	-2147483648	2147483647	0	---	0	0
affinity mask	-2147483648	2147483647	0	---	0	0
affinity64 I/O mask	-2147483648	2147483647	0	---	0	0
affinity64 mask	-2147483648	2147483647	0	---	0	0
Agent XPs	0	1	1	---	1	1
allow updates	0	1	0	---	0	0
awe enabled	0	1	0	---	0	0
backup compression default	0	1	0	Yes	1	1
blocked process threshold (s)	0	86400	0	---	0	0
c2 audit mode	0	1	0	---	0	0
clr enabled	0	1	0	---	0	0
cost threshold for parallelism	0	32767	5	---	5	5
cross db ownership chaining	0	1	0	---	0	0
cursor threshold	-1	2147483647	-1	---	-1	-1
Database Mail XPs	0	1	0	Yes	1	1
default full-text language	0	2147483647	1033	---	1033	1033
default language	0	9999	0	---	0	0
default trace enabled	0	1	1	---	1	1
disallow results from triggers	0	1	0	---	0	0
filestream access level	0	2	0	---	0	0
fill factor (%)	0	100	0	---	0	0
ft crawl bandwidth (max)	0	32767	100	---	100	100
ft crawl bandwidth (min)	0	32767	0	---	0	0
ft notify bandwidth (max)	0	32767	100	---	100	100
ft notify bandwidth (min)	0	32767	0	---	0	0
index create memory (KB)	704	2147483647	0	---	0	0
in-doubt xact resolution	0	2	0	---	0	0
lightweight pooling	0	1	0	---	0	0
locks	5000	2147483647	0	---	0	0
max degree of parallelism	0	1024	0	Yes	1	1
max full-text crawl range	0	256	4	---	4	4
max server memory (MB)	16	2147483647	2147483647	Yes	130000	130000
max text repl size (B)	-1	2147483647	65536	Yes	262144	262144
max worker threads	128	32767	0	---	0	0
media retention	0	365	0	---	0	0
min memory per query (KB)	512	2147483647	1024	---	1024	1024
min server memory (MB)	0	2147483647	0	Yes	20000	20000
nested triggers	0	1	1	---	1	1
network packet size (B)	512	32767	4096	---	4096	4096
Ole Automation Procedures	0	1	0	---	0	0
open objects	0	2147483647	0	---	0	0
optimize for ad hoc workloads	0	1	0	Yes	1	1
PH timeout (s)	1	3600	60	---	60	60
precompute rank	0	1	0	---	0	0
priority boost	0	1	0	---	0	0
query governor cost limit	0	2147483647	0	---	0	0
query wait (s)	-1	2147483647	-1	---	-1	-1
recovery interval (min)	0	32767	0	---	0	0
remote access	0	1	1	---	1	1
remote admin connections	0	1	0	---	0	0
remote login timeout (s)	0	2147483647	20	---	20	20
remote proc trans	0	1	0	---	0	0
remote query timeout (s)	0	2147483647	600	---	600	600
Replication XPs	0	1	0	---	0	0
scan for startup procs	0	1	1	---	1	1
server trigger recursion	0	1	1	---	1	1
set working set size	0	1	0	---	0	0
show advanced options	0	1	0	---	0	0
SMO and DMO XPs	0	1	1	---	1	1
SQL Mail XPs	0	1	0	---	0	0
transform noise words	0	1	0	---	0	0
two digit year cutoff	1753	9999	2049	---	2049	2049
user connections	0	32767	0	---	0	0
user options	0	32767	0	---	0	0
xp_cmdshell	0	1	0	---	0	0

Dynamics NAV Setup

Database setup of database DecoraERP on Oct 14 2015

```

Collation:
Collation Type ..... SQL Collation 52
Collation ..... SQL_Latin1_General_CP1_CI_AS
Validate Code Page ..... Yes

Access
Only members of db_owner,..... No
Single User..... No

Settings
Recovery Model ..... FULL
Restricted access..... MULTI_USER
Compatibility Level..... 100
ANSI NULL Default ..... 0
Recursive Triggers ..... 0
Page Verify ..... CHECKSUM
Auto Close ..... No
Auto Shrink ..... No
Allow Find As You Type..... Yes
Auto Create Statistics..... Yes
Auto Update Statistics..... Yes
Auto Update Statistics Asynch..... No
Snapshot Isolation ..... No
Read Committed snapshot ..... Yes

Objects
Maintain Views..... No
Maintain Relationships..... No
Maintain Defaults..... No
Convert Identifiers..... Yes
Remove Characters..... .\"\/'

License
Save license in database..... No

Locking
Lock timeout..... No
Always rowlock..... No

Security
Model..... Enhanced

Caching
Record Set ..... 50

Database Level Config
Database Version No..... 150
Diagnostics Flags..... None
Content of [$ndo$dbconfig]. Empty.

SQL Configuration outside NAV (DR performance related)
Is Log Shipped..... Yes
Is Published..... Yes
Is Merge Published..... No
Is Subscribed..... No
Is Mirrored/Mirroring..... No

Miscellaneous
Database created (yy.mm.dd)..... 2012.05.19
Database owner..... DECORA\administrator
Updateability..... READ_WRITE

Number of database files..... 4
Number of data files..... 3
Number of log files..... 1
Number of filegroups..... 2

```

```

Number of tables..... 2317
Number of clustered tables..... 2301
Number of heaps..... 16
Number of clustered indexed views.. 352
Number of clustered indexes..... 2658
Number of non-clustered indexes.... 2612
Number of disabled indexes..... 0
Number of hypothetical indexes..... 0
    
```

Temp db / Files setup

Setup of database tempdb on Oct 14 2015

```

Collation:
Collation Type ..... Windows Collation
Collation ..... Latin1_General_CI_AS
    
```

```

Settings
Recovery Model ..... SIMPLE
Restricted access..... MULTI_USER
Compatibility Level..... 100
ANSI NULL Default ..... 0
Recursive Triggers ..... 0
Page Verify ..... CHECKSUM
Auto Close ..... No
Auto Shrink ..... No
Auto Create Statistics..... Yes
Auto Update Statistics..... Yes
Auto Update Statistics Asynch..... No
Snapshot Isolation ..... No
Read Committed snapshot ..... No
    
```

```

Miscellaneous
Database created (yy.mm.dd)..... 2015.09.30
Database owner..... sa
Updateability..... READ_WRITE
Number of database files..... 8
Number of data files..... 7
Number of log files..... 1
Number of filegroups..... 1
    
```

Logical Name	File ID	File Name	Filegroup	Size (KB)	Maximum Size (KB)	File Growth	Usage
DecoraERP_Data	1	F:\DecoraERP_Data\DecoraERP_Data.mdf	PRIMARY	2,097,152	Unlimited	10%	data only
DecoraERP_Log	2	D:\DecoraERP_LOG\DecoraERP_Log.ldf	Not Applicable	253,020,864	2147483648	512000 KB	log only
DecoraERP_1_Data	3	F:\DecoraERP_Data\DecoraERP_1_Data.ndf	Data Filegroup 1	163,470,464	Unlimited	10%	data only
DecoraERP_2_Data	4	F:\DecoraERP_Data\DecoraERP_2_Data.ndf	Data Filegroup 1	83,886,080	Unlimited	10%	data only

Logical Name	File ID	File Name	Filegroup	Size (KB)	Maximum Size (KB)	File Growth	Usage
tempdev	1	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	14,044,928	Unlimited	10%	data only
templog	2	C:\Program Files\Microsoft SQL Server\MSSC	Not Applicable	524,288	Unlimited	10%	log only
tempdev1	3	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	8,506,496	Unlimited	10%	data only
tempdev2	4	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	701,568	Unlimited	10%	data only
tempdev3	5	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	5,265,664	Unlimited	10%	data only
tempdev4	6	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	4,026,240	Unlimited	10%	data only
tempdev6	7	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	11,548,160	Unlimited	10%	data only
tempdev7	8	C:\Program Files\Microsoft SQL Server\MSSC	PRIMARY	12,223,872	Unlimited	10%	data only

Log fragmentation

ID	Logical Name	File name	Size (MB)	Growth	Max size (MB)	# Fragments	Fragmentation
2	DecoraERP_Log	D:\DecoraERP_LOG\DecoraERP_Log.ldf	247.091	500 MB	No max	3.985	High

Database usage

Logical/DB Name	File/Total	Total Space(MB)	Used Space(MB)	Free Space(MB)	% Free Space
DecoraERP_Data	1	2.048	154	1.894	✓ 93
DecoraERP_1_Data	3	159.639	142.871	16.768	! 11
DecoraERP_2_Data	4	81.920	74.254	7.666	✗ 9
DecoraERP	DATA-TOTAL	243.607	217.279	26.328	! 11
DecoraERP	LOG-TOTAL	247.091	2.602	244.489	✓ 99
DecoraERP	DB-TOTAL	490.698	219.881	270.817	✓ 55

Companies

NAV Company Name	Total Size (KB)	Data Size (KB)	SIFT Size (KB)	LOB Size (KB)	Total Records	Table Records	SIFT Records
	79,984	6,336	-	73,648	37,904	37,904	-
Decora Blind Systems	222,003,480	211,209,120	10,789,976	4,384	729,294,346	632,062,199	97,232,147
TEST COMPANY	2,120	1,904	-	216	4,578	4,578	-

Sessions

Programs	Connections
	264
Microsoft Dynamics NAV Classic client	67
Microsoft SQL Server Management Studio	8
Internet Information Services	6
Repl-LogReader-0-DecoraERP-8	3
Repl-LogReader-0-Blindata-9	3
SQLAgent - Job Manager	2
Microsoft SQL Server Management Studio - Query	2
Report Server	1
Application Server for Microsoft Dynamics NAV Classic	1
SQLAgent - Email Logger	1
SQLAgent - Job invocation engine	1
Microsoft Office 2003	1
DatabaseMail - SQLAGENT - Id<4552>	1
SQLAgent - Alert Engine	1
Queue Reader Main (distribution)	1
SQLAgent - Generic Refresher	1
Replication Distribution History	1
Microsoft Dynamics NAV WEB	1
.Net SqlClient Data Provider	1
SQLAgent Job (Perform-Tracking Blocks Monitoring in DecoraERP database : Step 1)	1
Queue Reader History (distribution)	1

Auto Options

The setup options for auto update statistics & auto create statistics are set incorrectly. Our advice is to turn them off and update the statistics from within the maintenance plan.

These settings need to be corrected.

Analysis of database DecoraERP for auto options on Oct 14 2015.

```

..... auto update statistics is on ..... Should be OFF.
..... auto create statistics is on ..... Should be OFF.
..... auto close is OFF ..... Correct.
..... auto shrink is OFF ..... Correct.
    
```

Autostats

During the last period a lot of statistics have been created that Navision will never use. These should be removed from the system.

List of auto statistics:

Table Name	Statistics Name
Client Add-in	[dbo].[Client Add-in].[_WA_Sys_0000003_4AB81AF0]
Company	[dbo].[Company].[_WA_Sys_0000001_22AA2996]
Decora Blind Systems\$Acc_Sched_Cell Value	[dbo].[Decora Blind Systems\$Acc_Sched_Cell Value].[_WA_Sys_0000003_1C0818FF]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000006_5071BF9D]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000004_5071BF9D]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000001_5071BF9D]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000004_5071BF9D]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000005_5071BF9D]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000006_5071BF9D]
Decora Blind Systems\$Acc_Schedule Line	[dbo].[Decora Blind Systems\$Acc_Schedule Line].[_WA_Sys_0000003_5071BF9D]
Decora Blind Systems\$Acc_Schedule Name	[dbo].[Decora Blind Systems\$Acc_Schedule Name].[_WA_Sys_0000001_4E89772B]
Decora Blind Systems\$Acc_Schedule Name	[dbo].[Decora Blind Systems\$Acc_Schedule Name].[_WA_Sys_0000005_4E89772B]
Decora Blind Systems\$Accounting Period GB	[dbo].[Decora Blind Systems\$Accounting Period GB].[_WA_Sys_0000004_1B34BBAE]
Decora Blind Systems\$Accounting Period GB	[dbo].[Decora Blind Systems\$Accounting Period GB].[_WA_Sys_0000001_1B34BBAE]
Decora Blind Systems\$Accounting Period GB	[dbo].[Decora Blind Systems\$Accounting Period GB].[_WA_Sys_0000004_1B34BBAE]
Decora Blind Systems\$Accounting Period GB	[dbo].[Decora Blind Systems\$Accounting Period GB].[_WA_Sys_0000005_1B34BBAE]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000007_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000011_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000012_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000010_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000001_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000006_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_000000F_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_000000E_503293D2]
Decora Blind Systems\$Action Message Entry	[dbo].[Decora Blind Systems\$Action Message Entry].[_WA_Sys_0000005_503293D2]

...

5784 auto statistics found.

Heaps

Heaps are unclustered tables in the database. Unclustered tables have no structure for sorting data on the disk, leading to slower data read times.

Perform-Tools analysis for clustered indexes in database DecoraERP on Oct 14 2015.

```

Total number of clustered tables ..... 2658
Total number of heaps ..... 17
Total number of NAV clustered tables .... 2246
Total number of NAV heaps ..... 0
    
```

Check passed OK. All NAV tables are clustered.

Table Info

NAV Company Name	NAV Table ID	NAV Table Name	Total Size (KB)	Data Size (KB)	SIFT Size (KB)	LOB Size (KB)
Decora Blind Systems	5802	Value Entry	32,816,808	28,362,656	4,454,152	-
Decora Blind Systems	17	G/L Entry	22,474,024	20,401,216	2,072,808	-
Decora Blind Systems	405	Change Log Entry	21,230,424	21,230,424	-	-
Decora Blind Systems	32	Item Ledger Entry	20,148,096	17,218,304	2,929,792	-
Decora Blind Systems	113	Sales Invoice Line	18,708,280	18,708,280	-	-
Decora Blind Systems	7312	Warehouse Entry	15,548,688	15,328,144	220,544	-
Decora Blind Systems	355	Ledger Entry Dimension	14,472,024	14,472,024	-	-
Decora Blind Systems	111	Sales Shipment Line	11,247,184	11,247,184	-	-
Decora Blind Systems	359	Posted Document Dimension	8,638,608	8,638,608	-	-
Decora Blind Systems	365	Analysis View Entry	6,133,936	6,133,936	-	-
Decora Blind Systems	66080	Sales Analysis History	6,019,800	6,019,800	-	-
Decora Blind Systems	5773	Registered Whse. Activity Line	4,624,728	4,624,728	-	-
Decora Blind Systems	112	Sales Invoice Header	4,007,168	4,007,168	-	-
Decora Blind Systems	379	Detailed Cust. Ledg. Entry	3,588,816	3,037,456	551,360	-
Decora Blind Systems	254	VAT Entry	3,420,672	3,378,368	42,304	-
Decora Blind Systems	66031	Support Call Details	2,887,848	2,887,848	-	-
Decora Blind Systems	21	Cust. Ledger Entry	2,736,440	2,573,984	162,456	-
Decora Blind Systems	339	Item Application Entry	1,695,040	1,695,040	-	-
Decora Blind Systems	110	Sales Shipment Header	1,631,272	1,631,272	-	-
Decora Blind Systems	66051	Cancelled Pick Lines	1,513,360	1,499,968	13,392	-
Decora Blind Systems	7323	Posted Whse. Shipment Line	1,443,776	1,443,776	-	-
Decora Blind Systems	50004	Navimail Entry	1,361,600	1,361,600	-	-
Decora Blind Systems	39	Purchase Line	1,190,016	1,165,568	24,448	-
Decora Blind Systems	121	Purch. Rcpt. Line	1,126,088	1,126,088	-	-
Decora Blind Systems	5110	Purchase Line Archive	970,072	922,944	47,128	-
Decora Blind Systems	37	Sales Line	951,376	864,064	87,312	-
Decora Blind Systems	115	Sales Cr.Memo Line	929,216	929,216	-	-
Decora Blind Systems	66029	Fabric Transfer Log	722,152	722,152	-	-
Decora Blind Systems	123	Purch. Inv. Line	714,432	714,432	-	-
Decora Blind Systems	5823	G/L - Item Ledger Relation	710,824	710,824	-	-
Decora Blind Systems	66030	Support Call	684,760	684,760	-	-
Decora Blind Systems	66013	Sunwood Transfer Sheet History	577,824	577,824	-	-
Decora Blind Systems	5772	Registered Whse. Activity Hdr.	543,320	543,320	-	-
Decora Blind Systems	46	Item Register	507,416	507,416	-	-
Decora Blind Systems	5811	Post Value Entry to G/L	422,944	422,944	-	-
Decora Blind Systems	45	G/L Register	412,256	412,256	-	-
Decora Blind Systems	5804	Avg. Cost Adjmt. Entry Point	344,192	344,192	-	-
Decora Blind Systems	66005	Average Weekly Usage	313,504	252,104	61,400	-
Decora Blind Systems	5108	Sales Line Archive	312,952	292,104	20,848	-
Decora Blind Systems	7322	Posted Whse. Shipment Header	250,408	250,408	-	-
Decora Blind Systems	66068	Web Customer PDF File	225,184	225,184	-	-
Decora Blind Systems	114	Sales Cr.Memo Header	218,096	218,096	-	-
Decora Blind Systems	66011	Sunwood Download	212,832	212,832	-	-
Decora Blind Systems	7313	Warehouse Register	203,968	203,968	-	-
Decora Blind Systems	298	Issued Reminder Line	190,960	188,896	2,064	-
Decora Blind Systems	7319	Posted Whse. Receipt Line	176,472	176,472	-	-
Decora Blind Systems	380	Detailed Vendor Ledg. Entry	175,752	113,648	62,104	-
Decora Blind Systems	90050	Calc Sales Price Temp	159,056	159,056	-	-
Decora Blind Systems	66027	Fabric Transfer Sheet History	158,240	158,240	-	-
Decora Blind Systems	5106	Document Dimension Archive	108,896	108,896	-	-

NAV Company Name	NAV Table ID	NAV Table Name	Table Records	Table Rec. Size	SIFT Records	SIFT Rec. Size	S/T Ratio
Decora Blind Systems	355	Ledger Entry Dimension	193,146,277	76	-	-	-
Decora Blind Systems	359	Posted Document Dimension	87,630,925	100	-	-	-
Decora Blind Systems	405	Change Log Entry	85,923,387	253	-	-	-
Decora Blind Systems	365	Analysis View Entry	26,616,341	235	-	-	-
Decora Blind Systems	17	G/L Entry	25,868,613	807	22,449,059	882	86.78%
Decora Blind Systems	5802	Value Entry	21,135,998	1,374	26,500,915	685	125.38%
Decora Blind Systems	7312	Warehouse Entry	18,540,034	846	1,856,137	458	10.01%
Decora Blind Systems	66031	Support Call Details	16,012,595	184	-	-	-
Decora Blind Systems	113	Sales Invoice Line	13,949,703	1,373	-	-	-
Decora Blind Systems	32	Item Ledger Entry	13,040,610	1,352	34,792,863	974	266.80%
Decora Blind Systems	5823	G/L - Item Ledger Relation	12,391,494	58	-	-	-
Decora Blind Systems	66080	Sales Analysis History	9,757,017	631	-	-	-
Decora Blind Systems	111	Sales Shipment Line	9,204,775	1,251	-	-	-
Decora Blind Systems	339	Item Application Entry	8,857,483	195	-	-	-
Decora Blind Systems	5773	Registered Whse. Activity Line	8,069,042	586	-	-	-
Decora Blind Systems	5811	Post Value Entry to G/L	6,040,675	71	-	-	-
Decora Blind Systems	379	Detailed Cust. Ledg. Entry	5,833,455	533	5,729,021	397	98.21%
Decora Blind Systems	254	VAT Entry	5,479,333	631	409,840	429	7.48%
Decora Blind Systems	46	Item Register	3,967,778	130	-	-	-
Decora Blind Systems	66029	Fabric Transfer Log	3,948,593	187	-	-	-
Decora Blind Systems	5804	Avg. Cost Adjmt. Entry Point	3,914,833	90	-	-	-
Decora Blind Systems	253	G/L Entry - VAT Entry link	3,914,598	26	-	-	-
Decora Blind Systems	45	G/L Register	3,581,822	117	-	-	-
Decora Blind Systems	7323	Posted Whse. Shipment Line	3,105,661	476	-	-	-
Decora Blind Systems	21	Cust. Ledger Entry	3,075,576	856	2,158,145	153	70.17%
Decora Blind Systems	50004	Navimail Entry	2,921,542	477	-	-	-
Decora Blind Systems	66013	Sunwood Transfer Sheet History	2,812,808	210	-	-	-
Decora Blind Systems	7313	Warehouse Register	2,642,391	79	-	-	-
Decora Blind Systems	112	Sales Invoice Header	2,628,137	1,561	-	-	-
Decora Blind Systems	66011	Sunwood Download	2,616,374	83	-	-	-
Decora Blind Systems	66005	Average Weekly Usage	1,752,546	147	669,722	93	38.21%
Decora Blind Systems	5106	Document Dimension Archive	1,502,794	74	-	-	-
Decora Blind Systems	110	Sales Shipment Header	1,364,920	1,223	-	-	-
Decora Blind Systems	5772	Registered Whse. Activity Hdr.	1,342,168	414	-	-	-
Decora Blind Systems	90050	Calc Sales Price Temp	1,241,102	131	-	-	-
Decora Blind Systems	66068	Web Customer PDF File	1,129,775	204	-	-	-
Decora Blind Systems	474	Job Queue Log Entry	1,072,257	87	-	-	-
Decora Blind Systems	66051	Cancelled Pick Lines	1,009,552	1,521	97,866	368	9.69%
Decora Blind Systems	7322	Posted Whse. Shipment Header	1,002,104	255	-	-	-
Decora Blind Systems	121	Purch. Rcpt. Line	1,000,709	1,152	-	-	-
Decora Blind Systems	115	Sales Cr.Memo Line	879,362	1,082	-	-	-
Decora Blind Systems	66027	Fabric Transfer Sheet History	818,153	198	-	-	-
Decora Blind Systems	357	Document Dimension	770,048	130	-	-	-
Decora Blind Systems	50006	Support Linked Sales Document	735,650	122	-	-	-
Decora Blind Systems	298	Issued Reminder Line	723,551	267	22,145	95	3.06%
Decora Blind Systems	123	Purch. Inv. Line	719,092	1,017	-	-	-
Decora Blind Systems	5110	Purchase Line Archive	554,374	1,704	554,374	87	100.00%
Decora Blind Systems	66030	Support Call	546,854	1,282	-	-	-
Decora Blind Systems	66033	Job Attachments	543,451	133	-	-	-
Decora Blind Systems	7002	Sales Price	526,826	205	-	-	-

Memory

Counter	Allocated (MBs)
Total machine memory	139.263
Available machine memory	59.396
Target server memory	65.536
Total server memory	65.536
Database buffers	57.309
Lock manager buffers	424
Stolen (incl. Procedure cache) buffers	7.946
Free buffers	279

Memory distribution

Database Name	Buffers	Size (KB)
DecoraERP	4.577.052	36.616.416
Blindata	1.627.814	13.022.512
tempdb	1.018.732	8.149.856
distribution	100.301	802.408
msdb	16.812	134.496
MsSqlSystemResource	253	2.024
master	157	1.256
model	38	304
Blindata Dev	13	104
ReportServer	8	64
Demo Database NAV (6-0)	5	40
ReportServerTempDB	4	32
ReportServerReportal	4	32
TestDb	4	32

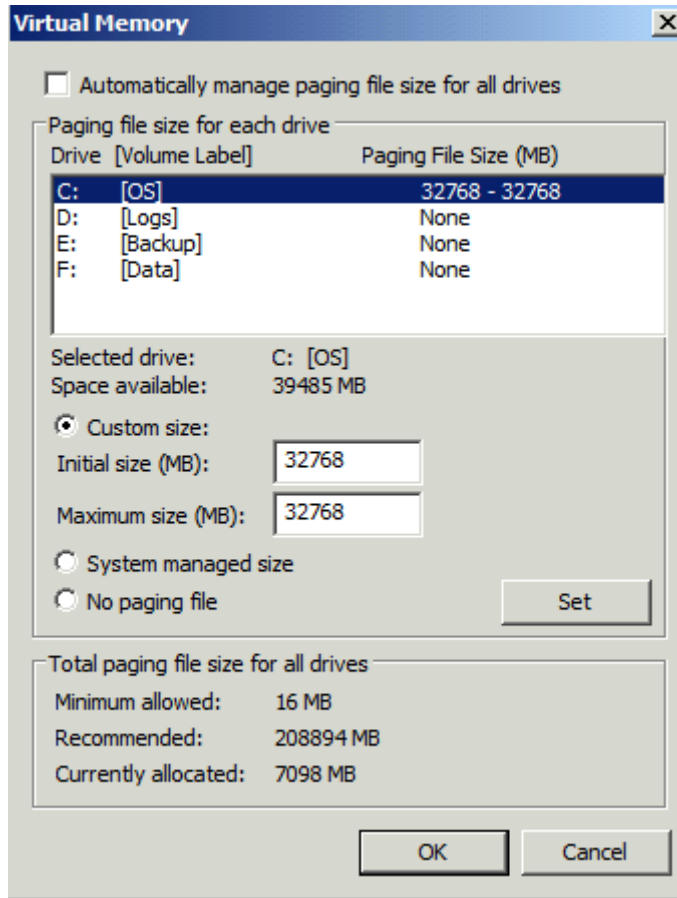
Cache

This table shows how often a table can be read from cache instead of from disk. A table read from cache receives more points than a table read from disk.

Total Count		2210		
	% occurrence	No. of occurrences	Object Name	Importance
✓	97.06%	2145	Decora Blind Systems\$Warehouse Entry\$1	18355
!	77.78%	1719	Decora Blind Systems\$Sales Invoice Header\$1	12518
!	75.34%	1665	Decora Blind Systems\$Item Ledger Entry\$1	11067
!	70.14%	1550	Decora Blind Systems\$Registered Whse_ Activ	10520
✓	89.32%	1974	Decora Blind Systems\$Detailed Cust_ Ledg_ Er	9482
!	71.18%	1573	Decora Blind Systems\$Cust_ Ledger Entry\$1	5227
✗	29.14%	644	Decora Blind Systems\$VAT Entry\$1	4648
!	81.27%	1796	Decora Blind Systems\$Value Entry\$1	4306
!	63.67%	1407	Decora Blind Systems\$Value Entry\$VSIFT\$7\$1	4195
!	81.86%	1809	Decora Blind Systems\$Sales Invoice Line\$1	3062
✗	53.26%	1177	Decora Blind Systems\$Posted Whse_ Shipmer	2896
!	67.92%	1501	Decora Blind Systems\$Sales Shipment Line\$1	2666
✓	98.91%	2186	Decora Blind Systems\$Purchase Line\$1	2648
✗	37.83%	836	Decora Blind Systems\$Support Call Details\$1	2359
!	67.19%	1485	Decora Blind Systems\$Value Entry\$9	2340
✓	84.98%	1878	Decora Blind Systems\$Value Entry\$VSIFT\$13\$:	2274
✗	36.56%	808	Decora Blind Systems\$Analysis View Entry\$1	2252
✓	84.66%	1871	Decora Blind Systems\$Warehouse Entry\$4	2150
✗	13.94%	308	Decora Blind Systems\$Change Log Entry\$2	1662
✗	14.75%	326	Decora Blind Systems\$Change Log Entry\$1	1661
✗	29.28%	647	Decora Blind Systems\$Ledger Entry Dimension	1253
✗	21.54%	476	Decora Blind Systems\$Sales Shipment Header	1197
✗	8.37%	185	Decora Blind Systems\$Posted Document Dime	1188
✗	18.96%	419	Decora Blind Systems\$Posted Document Dime	1101
✗	8.91%	197	Decora Blind Systems\$Sales Analysis History\$:	968
✗	7.65%	169	Decora Blind Systems\$Change Log Entry\$3	940
!	78.64%	1738	Decora Blind Systems\$Value Entry\$VSIFT\$3\$1	934
✗	34.03%	752	Decora Blind Systems\$G_L Entry\$1	912
!	74.12%	1638	Decora Blind Systems\$Navimail Entry\$1	802
✓	95.43%	2109	Decora Blind Systems\$Warehouse Entry\$10	795
✗	8.24%	182	Decora Blind Systems\$Ledger Entry Dimension	695
✗	59.91%	1324	Decora Blind Systems\$Value Entry\$3	661
✗	11.00%	243	Decora Blind Systems\$Analysis View Entry\$2	639
✗	42.04%	929	Decora Blind Systems\$Purch_ Rcpt_ Line\$1	414
!	75.61%	1671	Decora Blind Systems\$Warehouse Entry\$6	276
✗	60.00%	1326	Decora Blind Systems\$Value Entry\$54	258
!	79.46%	1756	Decora Blind Systems\$Sunwood Transfer Shee	218
✗	19.95%	441	Decora Blind Systems\$G_L Entry\$5	210
!	81.45%	1800	Decora Blind Systems\$Support Call\$1	202
✗	8.33%	184	Decora Blind Systems\$Item Application Entry\$	197
✗	15.93%	352	Decora Blind Systems\$G_L Entry\$18	171
✗	41.95%	927	Decora Blind Systems\$Value Entry\$15	139
✗	8.46%	187	Decora Blind Systems\$Cancelled Pick Lines\$1	127
✓	96.43%	2131	Decora Blind Systems\$Sales Line\$1	106
✗	14.07%	311	Decora Blind Systems\$Sales Cr_ Memo Line\$1	92
✗	34.98%	773	Decora Blind Systems\$G_L Entry\$3	78
!	71.95%	1590	Decora Blind Systems\$Warehouse Entry\$5	60
✗	5.88%	130	Decora Blind Systems\$Item Ledger Entry\$19	53
!	75.66%	1672	Decora Blind Systems\$Warehouse Entry\$9	52
✗	15.11%	334	Decora Blind Systems\$Value Entry\$14	47

Generic settings

Page file

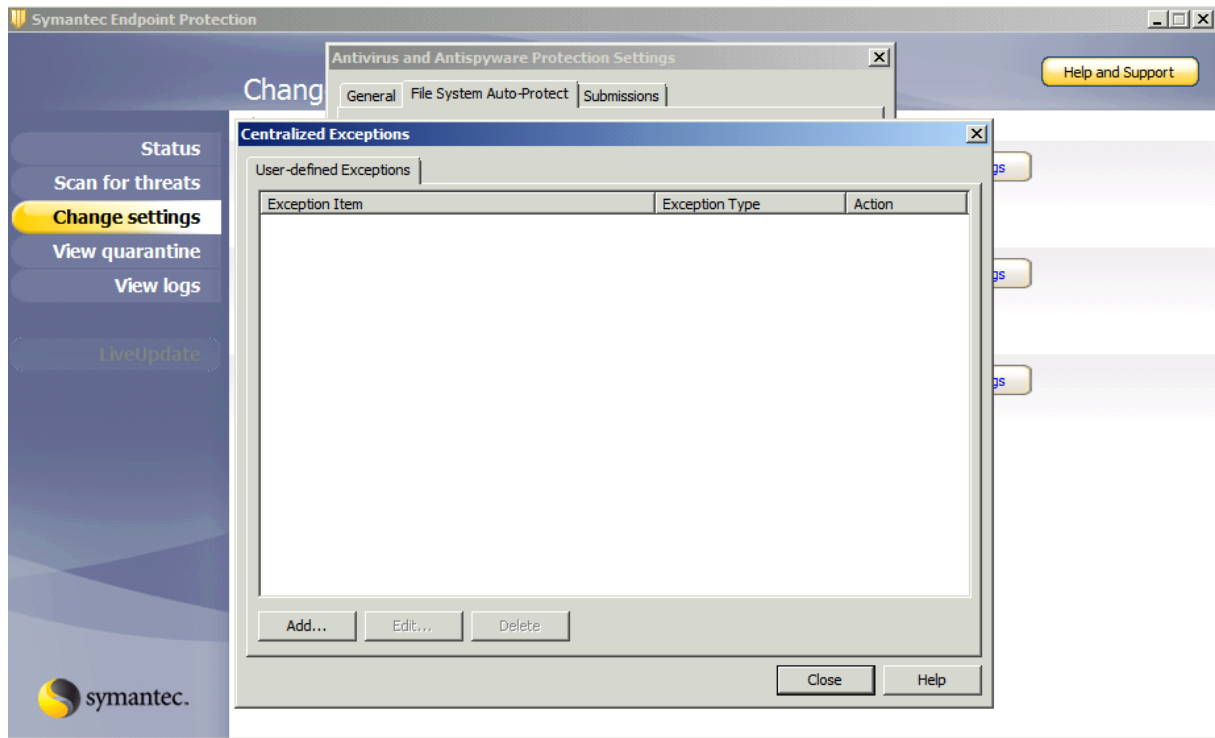


Power plan

Preferred plans

- Balanced (recommended)** [Change plan settings](#)
Automatically balances performance with energy consumption on capable hardware.
- High performance [Change plan settings](#)
Favors performance, but may use more energy.

Virusscanner



SQL Server service accounts

Name	State	Start Mode	Log On As
SQL Server Integration Services 10.0	Running	Automatic	NT AUTHORITY\NETWORKSERVICE
SQL Full-text Filter Daemon Launcher (MSSQLSERVER)	Running	Manual	NT AUTHORITY\LOCALSERVICE
SQL Server (MSSQLSERVER)	Running	Automatic	decora\administrator
SQL Server Analysis Services (MSSQLSERVER)	Running	Automatic	decora\administrator
SQL Server Reporting Services (MSSQLSERVER)	Running	Automatic	DECORA\administrator
SQL Server Browser	Stopped	Other (Boot, System, Disabled or Unknown)	NT AUTHORITY\LOCALSERVICE
SQL Server Agent (MSSQLSERVER)	Running	Automatic	decora\administrator

Services

Application Server for Microsoft Dynamics NAV Classic NAVISION2-CLASSIC	Disabled	Network S...
Application Server for Microsoft Dynamics NAV Classic NAVISION2-SQL	Disabled	DECORA\...
Application Server for Microsoft Dynamics NAV NAS	Started	Automatic

Lock pages in Memory & Perform Volume Maintenance Tasks

Policy	Security Setting
Deny log on locally	
Deny log on through Remote Desktop Services	
Enable computer and user accounts to be trusted for delegation	
Force shutdown from a remote system	Administrators
Generate security audits	LOCAL SERVICE,NETWORK SERVICE
Impersonate a client after authentication	LOCAL SERVICE,NETWORK SERVICE,S...
Increase a process working set	Users
Increase scheduling priority	Administrators
Load and unload device drivers	Administrators
Lock pages in memory	
Log on as a batch job	Administrators,Backup Operators,Perfo...
Log on as a service	DECORA\Citrix Users,DECORA\besadmi...
Manage auditing and security log	Administrators
Modify an object label	
Modify firmware environment values	Administrators
Perform volume maintenance tasks	Administrators
Profile single process	Administrators
Profile system performance	Administrators,NT SERVICE\WdiService...
Remove computer from docking station	Administrators
Replace a process level token	LOCAL SERVICE,NETWORK SERVICE,S...
Restore files and directories	Administrators,Backup Operators
Shut down the system	Administrators,Backup Operators
Synchronize directory service data	
Take ownership of files or other objects	Administrators

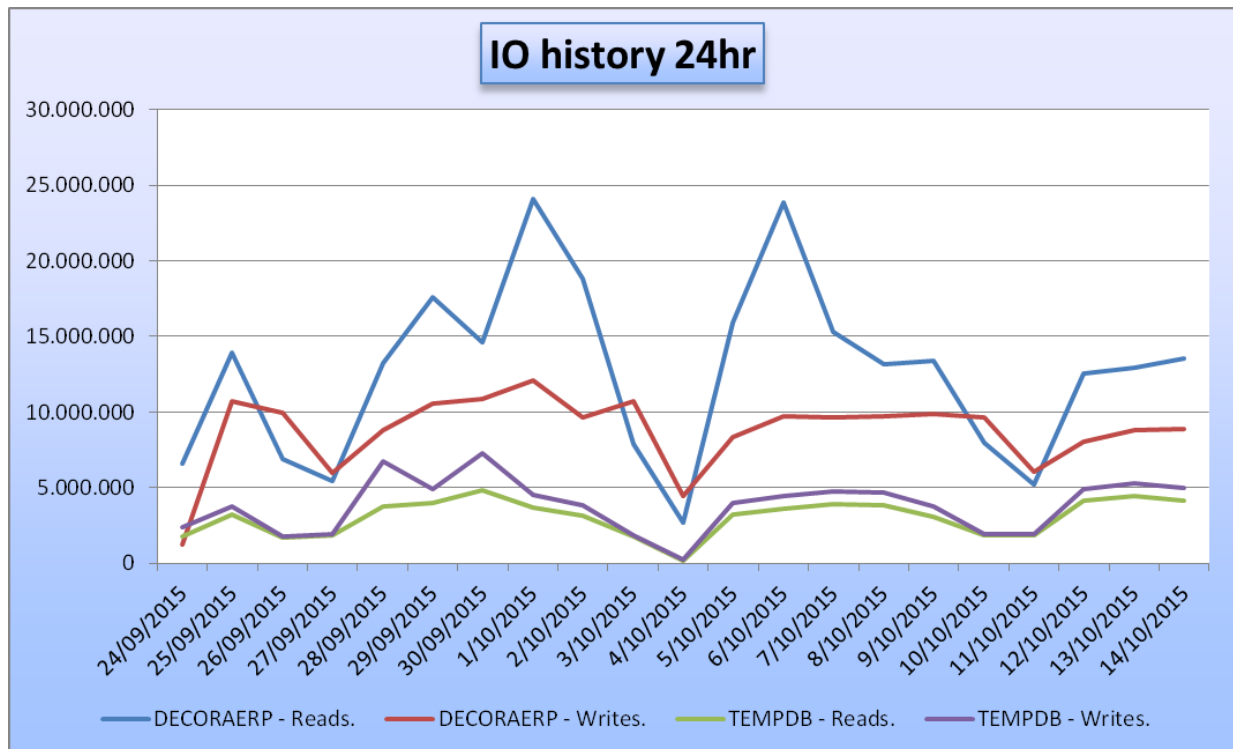
Application Settings

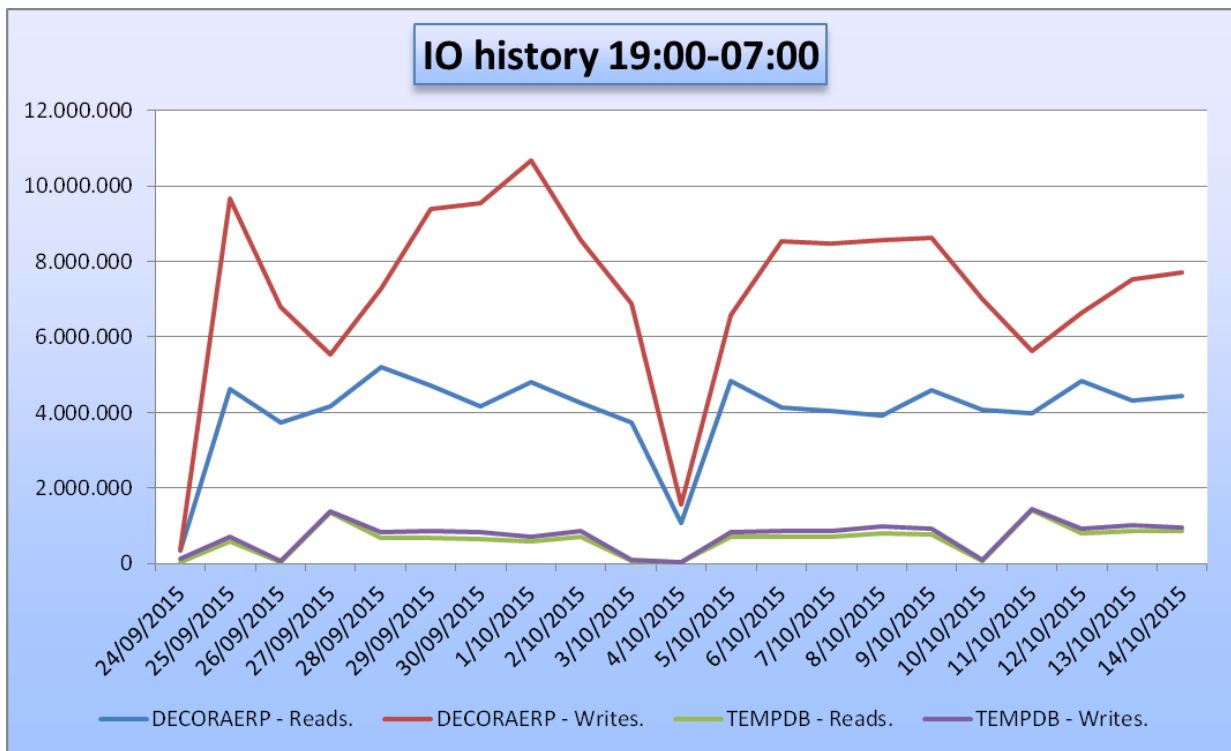
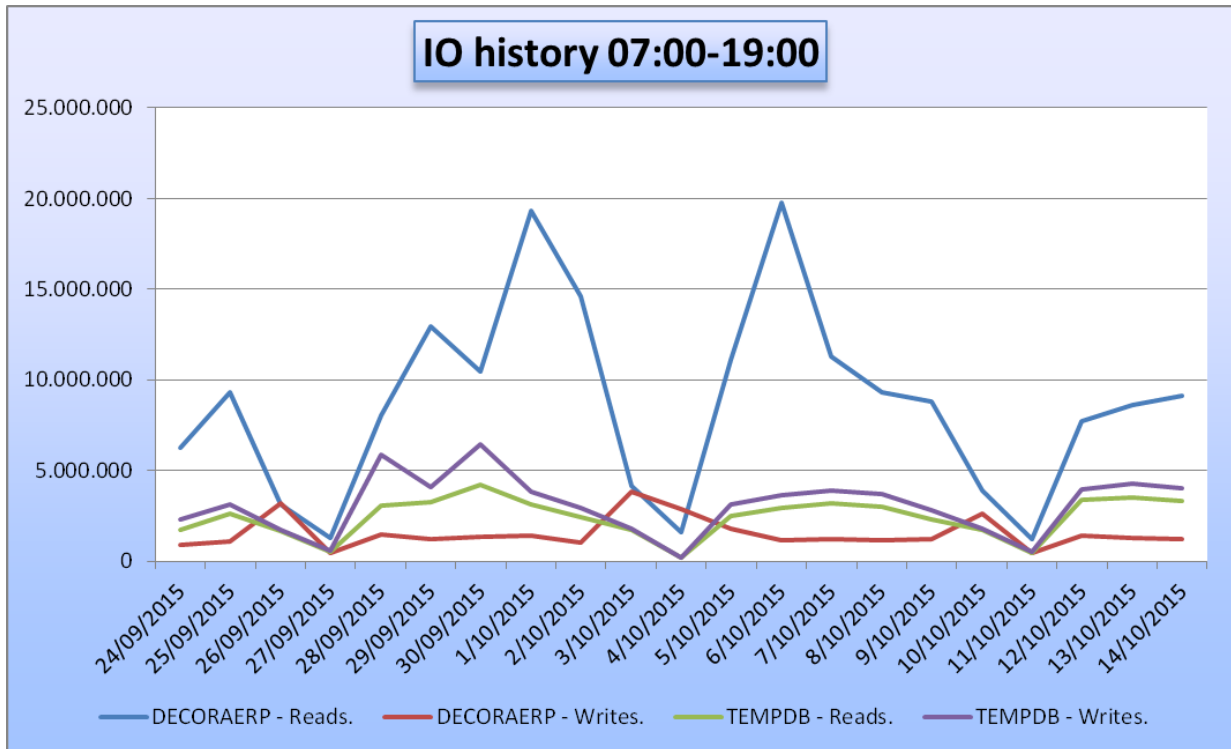
Company name	Topic	Setting	Setting Value
Decora Blind Systems	Inventory Setup	Automatic Cost Posting	Yes
Decora Blind Systems	Inventory Setup	Expected Cost Posting	No
Decora Blind Systems	Inventory Setup	Automatic Cost Adjustment	Never
Decora Blind Systems	Dimensions	Number of	7
Decora Blind Systems	Analysis View	Update on Posting	2
Decora Blind Systems	Item Analysis View	Update on Posting	None
TEST COMPANY	Inventory Setup	Automatic Cost Posting	No
TEST COMPANY	Inventory Setup	Expected Cost Posting	No
TEST COMPANY	Inventory Setup	Automatic Cost Adjustment	Never
TEST COMPANY	Dimensions	Number of	7
TEST COMPANY	Analysis View	Update on Posting	2
TEST COMPANY	Item Analysis View	Update on Posting	None

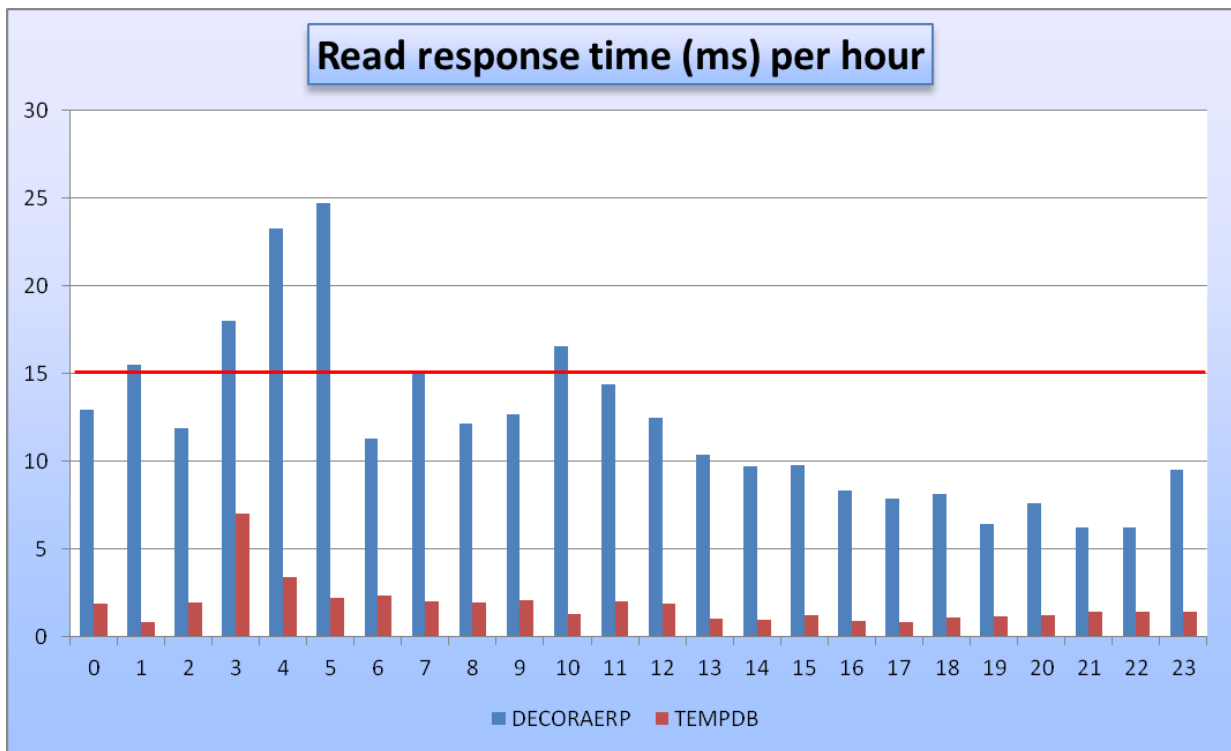
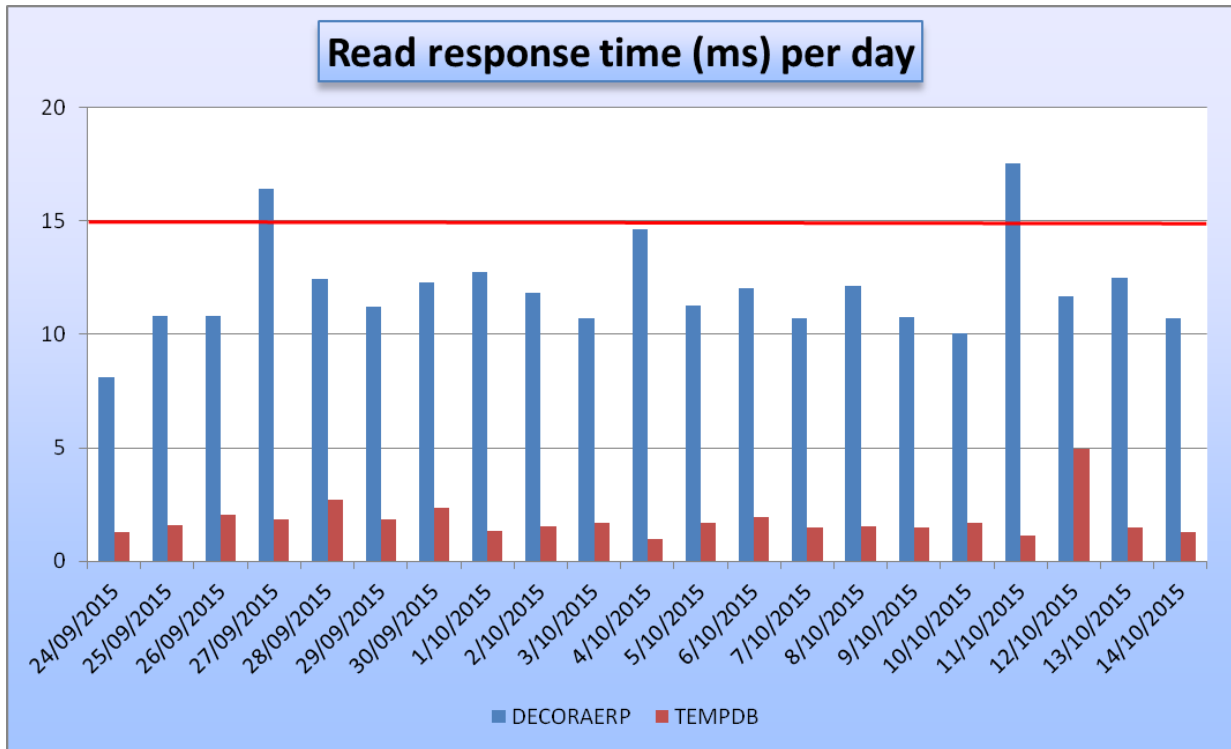
Performance analysis

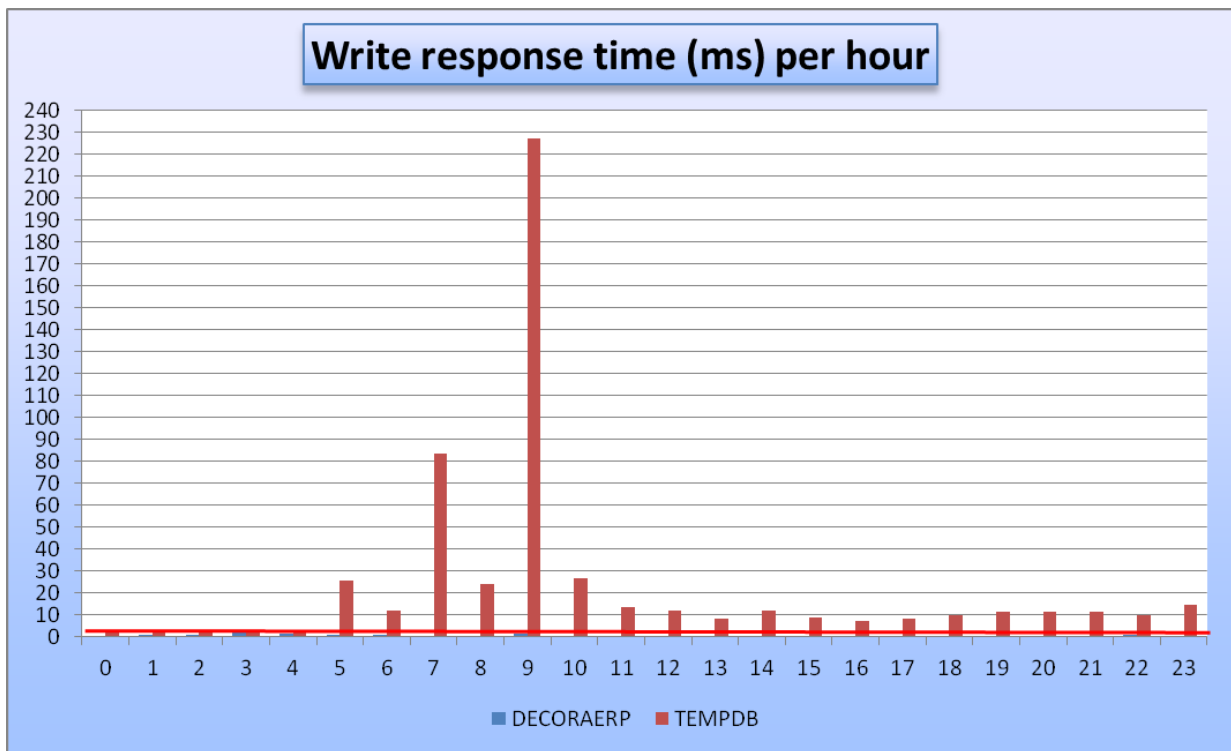
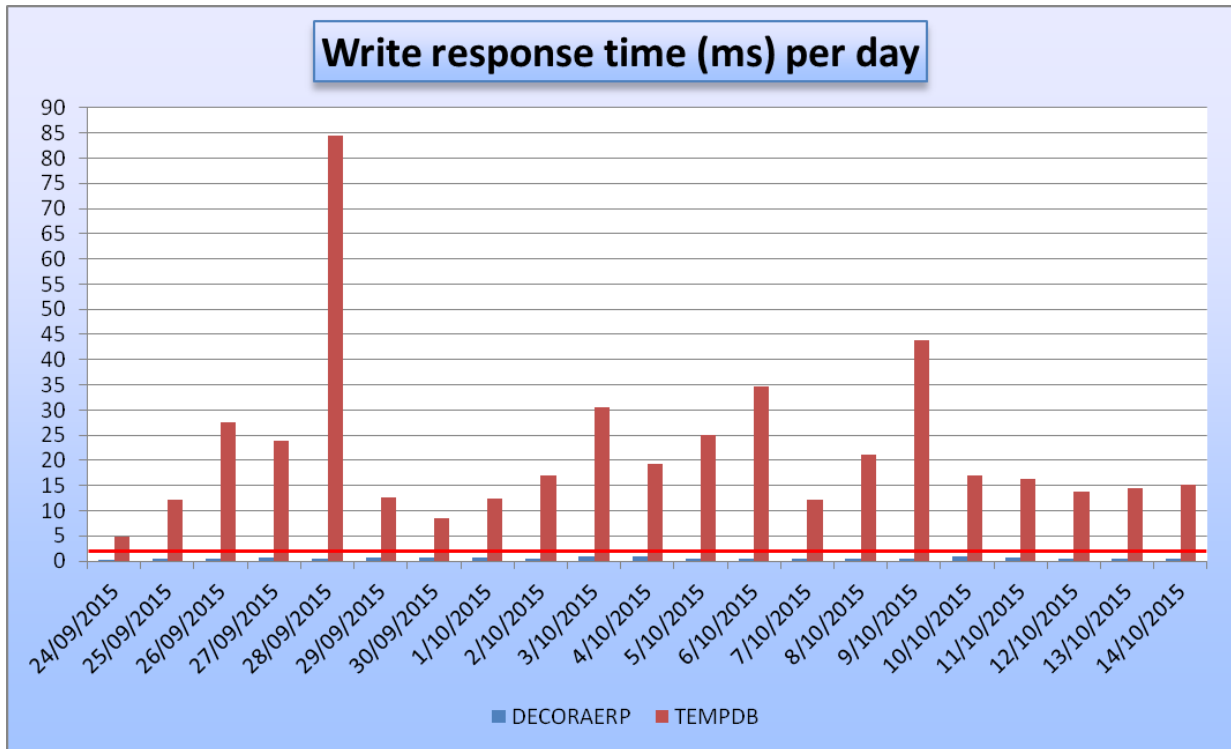
Disk response times & IO requests's

DB Name	Logical Name	%IOs	%Reads	%Writes	Avg. Read Wait (ms)	Avg. Write Wait (ms)	Total IOs	Read %	Write %
master	master	0	0	0	9,40	2,13	9 409,00	91	8
master	mastlog	0	0	0	1,41	0,63	1 017,00	3	96
tempdb	tempdev	4	3	4	1,51	137,74	18 950 203,00	46	53
tempdb	templog	0	0	0	14,86	30,46	1 076 451,00	0	99
tempdb	tempdev1	4	3	4	1,50	137,86	18 913 905,00	46	53
tempdb	tempdev2	0	0	0	1,83	133,23	990 659,00	45	54
tempdb	tempdev3	2	1	2	1,53	133,81	9 634 683,00	45	54
tempdb	tempdev4	1	1	1	1,57	133,75	6 434 285,00	45	54
tempdb	tempdev6	4	3	4	1,49	137,72	18 938 916,00	46	53
tempdb	tempdev7	4	3	4	1,49	137,92	18 931 241,00	46	53
model	modeldev	0	0	0	4,10	1,13	1 838,00	93	6
model	modellog	0	0	0	6,96	0,03	270,00	50	50
msdb	MSDBData	0	0	0	11,80	2,93	293 128,00	39	60
msdb	MSDBLog	0	0	0	5,89	0,91	1 319 401,00	0	99
ReportServer	ReportServer	0	0	0	3,83	0,00	3 547,00	100	0
ReportServer	ReportServer_log	0	0	0	10,23	0,00	27,00	96	3
ReportServerTempDB	ReportServerTempDB	0	0	0	3,45	0,00	1 261,00	100	0
ReportServerTempDB	ReportServerTempDB_log	0	0	0	3,29	0,00	8,00	87	12
distribution	distribution	0	0	0	23,73	2,62	202 517,00	28	71
distribution	distribution_log	0	0	0	6,24	1,85	1 031 213,00	0	99
DecoraERP	DecoraERP_Data	0	0	0	22,32	20,30	795 095,00	65	34
DecoraERP	DecoraERP_Log	20	2	42	7,84	1,98	94 989 420,00	6	93
DecoraERP	DecoraERP_1_Data	28	43	9	12,76	32,11	130 382 044,00	84	15
DecoraERP	DecoraERP_2_Data	18	27	8	14,17	30,64	86 948 872,00	80	19
Blindata	BlinData_dat	6	9	1	12,27	17,95	28 010 053,00	89	10
Blindata	BlinData_log	5	0	12	5,20	0,79	26 361 931,00	4	95
Demo Database NAV (6-0)	Demo Database NAV (6-0)_data	0	0	0	4,83	0,00	1 851,00	100	0
Demo Database NAV (6-0)	Demo Database NAV (6-0)_log	0	0	0	8,07	0,00	30,00	100	0
Blindata Dev	BlinData_dat	0	0	0	9,39	16,24	278 565,00	99	0
Blindata Dev	BlinData_log	0	0	0	3,57	2,11	8 245,00	23	76
ReportServerReportal	ReportServerReportal	0	0	0	5,82	0,00	1 063,00	100	0
ReportServerReportal	ReportServerReportal_log	0	0	0	5,50	0,00	9,00	88	11
TestDb	TestDb	0	0	0	17,90	0,00	1 066,00	100	0
TestDb	TestDb_log	0	0	0	3,75	1,00	9,00	88	11



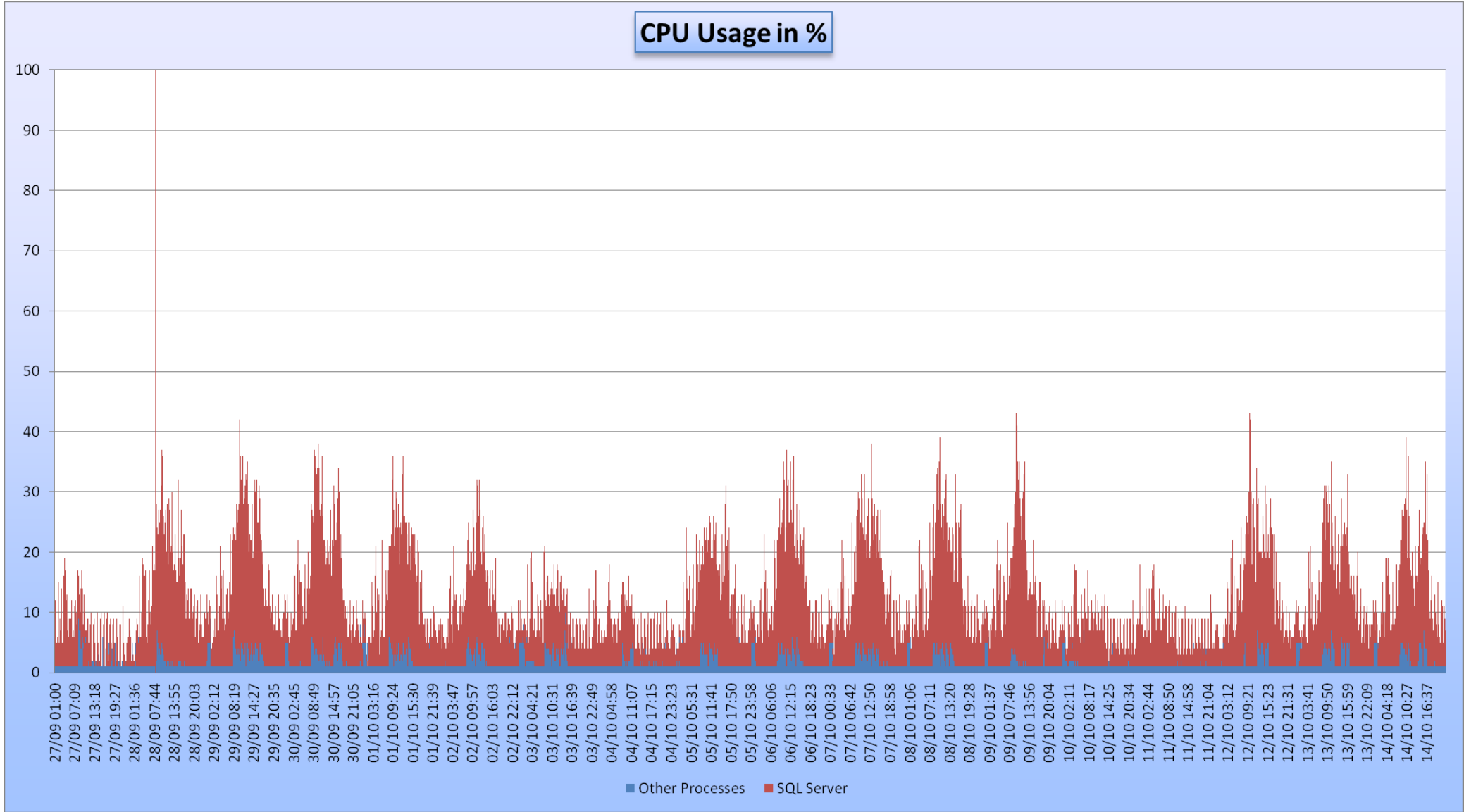






CPU Usage

CPU Usage in %



Waitstats

Wait Type	Requests	Signal Wait (ms)	Avg. Signal Wait (ms)	Resource Wait (ms)	Avg. Resource Wait (ms)	Total Wait (ms)	Avg. Total Wait (ms)	% Waits
ASYNC_NETWORK_IO	118,309,166	3,439,783	0.03	559,959,403	4.73	563,399,186	4.76	30.30
PAGEIOLATCH_SH	89,512,801	1,246,421	0.01	497,752,407	5.56	498,998,828	5.57	26.84
LCK_M_RS_U	8,005	398	0.05	126,565,582	15,810.82	126,565,980	15,810.87	6.81
LCK_M_SCH_S	956	499	0.52	114,013,116	119,260.58	114,013,615	119,261.10	6.13
PAGEIOLATCH_EX	21,306,866	310,047	0.01	98,056,777	4.60	98,366,824	4.62	5.29
BACKUPIO	23,561,649	718,461	0.03	82,260,875	3.49	82,979,336	3.52	4.46
LCK_M_U	44,957	1,704	0.04	80,561,477	1,791.97	80,563,181	1,792.01	4.33
OLEDB	92,787,377	-	-	53,211,132	0.57	53,211,132	0.57	2.86
BACKUPBUFFER	8,372,307	344,952	0.04	31,644,693	3.78	31,989,645	3.82	1.72
ASYNC_IO_COMPLETION	142	7	0.05	31,805,233	223,980.51	31,805,240	223,980.56	1.71
LCK_M_SCH_M	2,388	389	0.16	30,232,540	12,660.19	30,232,929	12,660.36	1.63
WRITELOG	43,308,924	1,186,561	0.03	27,701,908	0.64	28,888,469	0.67	1.55
LCK_M_X	50,266	1,209	0.02	26,646,357	530.11	26,647,566	530.13	1.43
LCK_M_RIn_NL	1,233	52	0.04	14,988,829	12,156.39	14,988,881	12,156.43	0.81
PAGELATCH_SH	36,600,508	314,665	0.01	10,352,701	0.28	10,667,366	0.29	0.57
IO_COMPLETION	32,968,586	145,403	0.00	10,188,763	0.31	10,334,166	0.31	0.56
LCK_M_IX	25,333	714	0.03	9,102,485	359.31	9,103,199	359.34	0.49
BACKUPTHREAD	10,939	436	0.04	6,854,269	626.59	6,854,705	626.63	0.37
MSQL_DQ	6,451	-	-	6,313,508	978.69	6,313,508	978.69	0.34
PREEMPTIVE_COM_QUERYINTERFACE	6,451	-	-	6,313,494	978.68	6,313,494	978.68	0.34
SOS_SCHEDULER_YIELD	373,710,565	5,460,534	0.01	422,114	0.00	5,882,648	0.02	0.32
PREEMPTIVE_OS_WAITFORINGLEOBJECT	144,728	-	-	3,662,140	25.30	3,662,140	25.30	0.20
SQLTRACE_FILE_BUFFER	16,126	795	0.05	2,471,004	153.23	2,471,799	153.28	0.13
LCK_M_JU	458	31	0.07	2,242,446	4,896.17	2,242,477	4,896.24	0.12
LCK_M_IS	371	21	0.06	1,778,499	4,793.80	1,778,520	4,793.85	0.10
LCK_M_S	324	18	0.06	1,575,374	4,862.27	1,575,392	4,862.32	0.08
PAGELATCH_EX	61,804,550	519,903	0.01	994,927	0.02	1,514,830	0.02	0.08
LCK_M_RX_X	266	13	0.05	1,407,569	5,291.61	1,407,582	5,291.66	0.08
PAGEIOLATCH_UP	38,561	5,356	0.14	1,156,979	30.00	1,162,335	30.14	0.06
MSQL_XP	760,812	-	-	960,782	1.26	960,782	1.26	0.05
PREEMPTIVE_OS_GETPROCADDRESS	760,812	-	-	951,593	1.25	951,593	1.25	0.05
LOGBUFFER	53,564	1,911	0.04	935,383	17.46	937,294	17.50	0.05
PREEMPTIVE_OS_AUTHENTICATIONOPS	5,597,721	-	-	696,118	0.12	696,118	0.12	0.04
PREEMPTIVE_OS_LOOKUPACCOUNTSID	676,891	-	-	306,172	0.45	306,172	0.45	0.02
PAGELATCH_UP	90,536	6,687	0.07	234,016	2.58	240,703	2.66	0.01
PREEMPTIVE_OS_AUTHORIZATIONOPS	1,548,931	-	-	210,999	0.14	210,999	0.14	0.01
SQLTRACE_FILE_READ_IO_COMPLETION	41,924	115	0.00	148,608	3.54	148,723	3.55	0.01
PREEMPTIVE_OS_DELETESECURITYCONTEXT	748,282	-	-	96,706	0.13	96,706	0.13	0.01
PREEMPTIVE_OS_PIPEOPS	33	-	-	73,368	2,223.27	73,368	2,223.27	0.00
PREEMPTIVE_OS_GENERICOPS	35	-	-	72,051	2,058.60	72,051	2,058.60	0.00
PREEMPTIVE_OS_AUTHZINITIALIZECONTEXTFROMSID	2,097	-	-	70,490	33.61	70,490	33.61	0.00
PREEMPTIVE_OS_REVERTTOSELF	2,013,007	-	-	65,068	0.03	65,068	0.03	0.00
PREEMPTIVE_OS_FILEOPS	4,310	-	-	54,134	12.56	54,134	12.56	0.00
PREEMPTIVE_OS_DISCONNECTNAMEDPIPE	704,723	-	-	51,564	0.07	51,564	0.07	0.00
PREEMPTIVE_OLEDBOPS	1,170	-	-	47,774	40.83	47,774	40.83	0.00
PREEMPTIVE_OS_REPORTEVENT	55,426	-	-	44,338	0.80	44,338	0.80	0.00
PREEMPTIVE_OS_SECURITYOPS	670,420	-	-	43,846	0.07	43,846	0.07	0.00
PREEMPTIVE_OS_LIBRARYOPS	1	-	-	30,966	30,966.00	30,966	30,966.00	0.00
PREEMPTIVE_OS_GETVOLUMEPATHNAME	2,178	-	-	25,057	11.50	25,057	11.50	0.00
PREEMPTIVE_OS_NETVALIDATEPASSWORDPOLICY	66,730	-	-	21,133	0.32	21,133	0.32	0.00

Database Load

Database Name	Data Size (MB)	Data Size %	Log Size (MB)	Log Size %	Total # of I/Os	I/O %	Total I/O MBs	I/O MBs %	Total CPU (s)	Total CPU %	Cache Size (MB)	Cache %
DecoraERP	243607	57.86	247090	68.79	313115312	67.41	25836583	72.33	70861	41.25	35735	62.35
Blindata Dev	58461	13.88	54637	15.21	286810	0.06	25156	0.07	39	0.02	0	0
Blindata	58461	13.88	54637	15.21	54371877	11.71	4101474	11.48	98225	57.18	12717	22.19
tempdb	54994	13.06	512	0.14	93870247	20.21	5695135	15.94	0	0	7943	13.86
msdb	2827	0.67	42	0.01	1612501	0.35	46909	0.13	1983	1.15	131	0.23
distribution	2553	0.61	2110	0.59	1233726	0.27	13242	0.04	562	0.33	784	1.37
Demo Database NAV (6-0)	121	0.03	44	0.01	1881	0	24	0	0	0	0	0
master	4	0	1	0	10426	0	131	0	61	0.04	1	0
ReportServer	4	0	6	0	3574	0	28	0	46	0.03	0	0
ReportServerReportal	3	0	52	0.01	1072	0	9	0	0	0	0	0
TestDb	3	0	9	0	1075	0	9	0	0	0	0	0
model	2	0	51	0.01	2108	0	35	0	0	0	0	0
ReportServerTempDB	2	0	0	0	1269	0	10	0	0	0	0	0

Indexen

During posting routines the tables and indexes need updating. The more indexes and index keys, the heavier the transaction.

By reducing the number of indexes and indexkeys, better performance of posting routines can be achieved.

ID	Name	Rows	Updates	Indexes	IndexKeys	IndexCost	IndexKeyCost	SQLName
27	Item	31,538	2,025,450	22	48	44,559,900	97,221,600	Decora Blind Systems\$Item
37	Sales Line	329,854	288,743	14	66	4,042,402	19,057,038	Decora Blind Systems\$Sales Line
32	Item Ledger Entry	13,040,610	79,295	25	133	1,982,375	10,546,235	Decora Blind Systems\$Item Ledger Entry
36	Sales Header	15,932	213,536	11	39	2,348,896	8,327,904	Decora Blind Systems\$Sales Header
5767	Warehouse Activity Line	408	68,171	10	73	681,710	4,976,483	Decora Blind Systems\$Warehouse Activity Line
17	G/L Entry	25,868,613	68,818	18	66	1,238,724	4,541,988	Decora Blind Systems\$G_L Entry
5802	Value Entry	21,135,998	39,886	20	110	797,720	4,387,460	Decora Blind Systems\$Value Entry
18	Customer	4,096	115,448	18	37	2,078,064	4,271,576	Decora Blind Systems\$Customer
355	Ledger Entry Dimension	193,146,277	541,573	2	7	1,083,146	3,791,011	Decora Blind Systems\$Ledger Entry Dimension
357	Document Dimension	770,048	333,490	2	11	666,980	3,668,390	Decora Blind Systems\$Document Dimension
7320	Warehouse Shipment Header	5,251	151,427	7	23	1,059,989	3,482,821	Decora Blind Systems\$Warehouse Shipment Header
7312	Warehouse Entry	18,540,034	54,399	10	59	543,990	3,209,541	Decora Blind Systems\$Warehouse Entry
7321	Warehouse Shipment Line	1,255	109,503	7	28	766,521	3,066,084	Decora Blind Systems\$Warehouse Shipment Line
39	Purchase Line	460,926	32,304	14	79	452,256	2,552,016	Decora Blind Systems\$Purchase Line
5772	Registered Whse. Activity Hdr.	1,342,168	113,491	7	22	794,437	2,496,802	Decora Blind Systems\$Registered Whse_Activity Hdr_
359	Posted Document Dimension	87,630,925	259,837	2	9	519,674	2,338,533	Decora Blind Systems\$Posted Document Dimension
21	Cust. Ledger Entry	3,075,576	24,491	15	50	367,365	1,224,550	Decora Blind Systems\$Cust_Ledger Entry
112	Sales Invoice Header	2,628,137	23,969	14	38	335,566	910,822	Decora Blind Systems\$Sales Invoice Header
339	Item Application Entry	8,857,483	40,114	6	21	240,684	842,394	Decora Blind Systems\$Item Application Entry
50004	Navimail Entry	2,921,542	24,021	9	34	216,189	816,714	Decora Blind Systems\$Navimail Entry
113	Sales Invoice Line	13,949,703	31,206	8	26	249,648	811,356	Decora Blind Systems\$Sales Invoice Line
111	Sales Shipment Line	9,204,775	31,762	7	23	222,334	730,526	Decora Blind Systems\$Sales Shipment Line
7317	Warehouse Receipt Line	184	32,054	5	20	160,270	641,080	Decora Blind Systems\$Warehouse Receipt Line
7311	Warehouse Journal Line	451	10,125	9	62	91,125	627,750	Decora Blind Systems\$Warehouse Journal Line
5773	Registered Whse. Activity Line	8,069,042	21,092	6	29	126,552	611,668	Decora Blind Systems\$Registered Whse_Activity Line
7302	Bin Content	24,623	12,610	7	46	88,270	580,060	Decora Blind Systems\$Bin Content
405	Change Log Entry	85,923,387	81,319	3	7	243,957	569,233	Decora Blind Systems\$Change Log Entry
46	Item Register	3,967,778	71,383	3	7	214,149	499,681	Decora Blind Systems\$Item Register
66030	Support Call	546,854	13,260	11	35	145,860	464,100	Decora Blind Systems\$Support Call
379	Detailed Cust. Ledg. Entry	5,833,455	12,050	10	37	120,500	445,850	Decora Blind Systems\$Detailed Cust_Ledg_Entry
254	VAT Entry	5,479,333	13,832	7	31	96,824	428,792	Decora Blind Systems\$VAT Entry
45	G/L Register	3,581,822	58,775	3	7	176,325	411,425	Decora Blind Systems\$G_L Register
66011	Sunwood Download	2,616,374	298,355	1	1	298,355	298,355	Decora Blind Systems\$Sunwood Download
365	Analysis View Entry	26,616,341	14,967	2	18	29,934	269,406	Decora Blind Systems\$Analysis View Entry
5823	G/L - Item Ledger Relation	12,391,494	37,196	3	7	111,588	260,372	Decora Blind Systems\$G_L - Item Ledger Relation
263	Intrastat Jnl. Line	501	10,726	4	20	42,904	214,520	Decora Blind Systems\$Intrastat Jnl_Line
309	No. Series Line	82	20,966	3	9	62,898	188,694	Decora Blind Systems\$No_Series Line
66031	Support Call Details	16,012,595	31,063	3	6	93,189	186,378	Decora Blind Systems\$Support Call Details
5765	Warehouse Request	58,575	9,850	2	15	19,700	147,750	Decora Blind Systems\$Warehouse Request
7313	Warehouse Register	2,642,391	44,468	2	3	88,936	133,404	Decora Blind Systems\$Warehouse Register
7323	Posted Whse. Shipment Line	3,105,661	8,073	4	16	32,292	129,168	Decora Blind Systems\$Posted Whse_Shipment Line
66029	Fabric Transfer Log	3,948,593	20,256	3	6	60,768	121,536	Decora Blind Systems\$Fabric Transfer Log
5766	Warehouse Activity Header	51	11,742	3	10	35,226	117,420	Decora Blind Systems\$Warehouse Activity Header
5088	Profile Questionnaire Line	1,619	22,765	2	5	45,530	113,825	Decora Blind Systems\$Profile Questionnaire Line
121	Purch. Rcpt. Line	1,000,709	5,429	6	19	32,574	103,151	Decora Blind Systems\$Purch_Rcpt_Line
66005	Average Weekly Usage	1,752,546	13,098	2	7	26,196	91,686	Decora Blind Systems\$Average Weekly Usage
356	Journal Line Dimension	19,095	6,580	2	13	13,160	85,540	Decora Blind Systems\$Journal Line Dimension
7326	Whse. Worksheet Line	9	1,981	6	40	11,886	79,240	Decora Blind Systems\$Whse_Worksheet Line
7002	Sales Price	526,826	4,693	2	16	9,386	75,088	Decora Blind Systems\$Sales Price
66006	Delivery Schedule Entry	223,201	8,164	3	9	24,492	73,476	Decora Blind Systems\$Delivery Schedule Entry

Index usage

This table shows the number of unused indexes on updated tables.

Table	# Updates	Unused Indexes
Ledger Entry Dimension	17,041,972	1
G/L Entry	13,712,742	6
Document Dimension	10,285,391	1
Posted Document Dimension	6,827,913	1
Value Entry	5,157,336	4
G/L - Item Ledger Relation	4,162,104	3
Sales Line	3,749,092	3
Warehouse Entry	2,717,274	2
Sales Invoice Line	2,656,545	3
Sales Header	1,861,528	4
Sales Shipment Line	1,803,063	3
Item Ledger Entry	1,672,552	2
VAT Entry	1,548,904	4
Cust. Ledger Entry	1,074,989	5
Cancelled Pick Lines	914,688	18
Sales Invoice Header	800,925	5
Fabric Transfer Log	783,546	2
Detailed Cust. Ledg. Entry	706,232	2
Item Register	478,836	2
G/L Entry - VAT Entry link	387,226	1

Index Scans

When SQL Server does not find a matching index, a seek is performed on either the clustered index or another index matching as close as possible. These are the tables with the most scans.

Table	# Updates	# Scans
Item	58,058,974	1,335,895
G/L Entry	27,425,494	344,432
Item Ledger Entry	22,687,540	280,108
Sales Line	21,504,469	3,092,777
Value Entry	20,629,270	329,144
Ledger Entry Dimension	17,041,972	-
Change Log Entry	15,609,993	415
Warehouse Activity Line	11,737,808	227,374
Sales Header	10,883,535	17,944
Document Dimension	10,285,391	918
Warehouse Entry	10,093,553	187,970
Sunwood Download	8,275,913	8
Posted Document Dimension	6,827,913	-
Warehouse Shipment Line	4,924,340	368,452
Analysis View Entry	4,858,764	-
Sales Invoice Line	4,427,577	2,458
Item Application Entry	4,199,702	87,138
Warehouse Shipment Header	4,096,218	370,301
Customer	3,368,657	355,247
Cust. Ledger Entry	3,211,579	18,494

Missing Indexkeys

Whenever SQL Server detects a certain query cannot be executed optimally, it records what index fields are missing. These are the tables with the most recorded missing index fields.

Table	Missing Index keys
Navimail Entry	28
Warehouse Entry	18
Item Ledger Entry	15
Sunwood Transfer Sheet History	15
Sales Invoice Header	14
Warehouse Shipment Line	11
Sales Invoice Line	10
Purchase Line	9
Value Entry	9
Sales Cr.Memo Header	9
G/L Entry	8
Fabric Transfer Sheet History	7
Cust. Ledger Entry	7
Change Log Entry	6
Support Call	6
Sales Shipment Line	5
Warehouse Request	5
Sales Line	4
Purchase Header	4
Registered Whse. Activity Line	4

Index Fragmentation

NAV Company Name	NAV Table ID	SQL Object Name	SQL Index Name	Index Type	Pages	Rows	Fragments	Avg. Fragmentation %
Decora Blind Systems	37	Decora Blind Systems\$Sales Line\$VSIFTS1	VSIFTIDX	clustered	591	35,919	289	35.87
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	Decora Blind Systems\$Warehouse Activity Line\$0	clustered	489	408	313	60.74
Decora Blind Systems	37	Decora Blind Systems\$Sales Line\$VSIFTS15	VSIFTIDX	clustered	401	29,299	365	67.08
Decora Blind Systems	7302	Decora Blind Systems\$Bin Content	\$2	nonclustered	302	24,623	235	56.62
Decora Blind Systems	7302	Decora Blind Systems\$Bin Content	\$4	nonclustered	233	24,623	187	56.65
Decora Blind Systems	7302	Decora Blind Systems\$Bin Content	\$5	nonclustered	198	24,623	155	60.61
Decora Blind Systems	7302	Decora Blind Systems\$Bin Content	\$6	nonclustered	189	24,623	127	47.62
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$10	nonclustered	173	15,932	167	79.19
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$4	nonclustered	152	15,932	147	76.97
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$6	nonclustered	138	15,932	132	74.64
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$7	nonclustered	123	15,932	68	37.4
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$8	nonclustered	123	15,932	119	82.11
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$15	nonclustered	107	408	107	96.26
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$2	nonclustered	104	408	101	91.35
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$14	nonclustered	103	408	101	93.2
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$13	nonclustered	102	408	98	93.14
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$5	nonclustered	101	15,932	55	42.57
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$3	nonclustered	97	15,932	49	40.21
Decora Blind Systems	27	Decora Blind Systems\$Item	\$14	nonclustered	96	31,538	42	34.38
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$2	nonclustered	87	15,932	47	42.53
Decora Blind Systems	37	Decora Blind Systems\$Sales Line\$VSIFTS14	VSIFTIDX	clustered	74	5,748	48	56.76
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$20	nonclustered	74	408	71	90.54
Decora Blind Systems	37	Decora Blind Systems\$Sales Line\$VSIFTS3	VSIFTIDX	clustered	64	2,690	42	46.88
Decora Blind Systems	7311	Decora Blind Systems\$Warehouse Journal Line	Decora Blind Systems\$Warehouse Journal Line\$0	clustered	63	451	42	53.97
Decora Blind Systems	36	Decora Blind Systems\$Sales Header	\$1	nonclustered	57	15,932	20	31.58
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$19	nonclustered	56	408	52	89.29
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$17	nonclustered	50	408	45	86
Decora Blind Systems	7321	Decora Blind Systems\$Warehouse Shipment Line	\$8	nonclustered	50	1,255	45	80
Decora Blind Systems	263	Decora Blind Systems\$Intrastat Jnl_Line	\$1	nonclustered	45	501	40	82.22
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$21	nonclustered	42	408	38	83.33
-- non NAV object --	0	DECORA_Shipment_Fixes		heap	41	2,496	15	66.67
Decora Blind Systems	7321	Decora Blind Systems\$Warehouse Shipment Line	\$10	nonclustered	40	1,255	40	92.5
Decora Blind Systems	7320	Decora Blind Systems\$Warehouse Shipment Header	\$3	nonclustered	40	5,251	25	52.5
Decora Blind Systems	7320	Decora Blind Systems\$Warehouse Shipment Header	\$5	nonclustered	39	5,251	20	41.03
Decora Blind Systems	5766	Decora Blind Systems\$Warehouse Activity Header	Decora Blind Systems\$Warehouse Activity Header\$0	clustered	39	51	37	89.74
Decora Blind Systems	5767	Decora Blind Systems\$Warehouse Activity Line	\$1	nonclustered	39	408	35	82.05
Decora Blind Systems	263	Decora Blind Systems\$Intrastat Jnl_Line	Decora Blind Systems\$Intrastat Jnl_Line\$0	clustered	38	501	34	36.84
Decora Blind Systems	7325	Decora Blind Systems\$Whse_Pick Request	Decora Blind Systems\$Whse_Pick Request\$0	clustered	37	2,663	20	43.24
Decora Blind Systems	7321	Decora Blind Systems\$Warehouse Shipment Line	\$11	nonclustered	36	1,255	32	83.33
Decora Blind Systems	7320	Decora Blind Systems\$Warehouse Shipment Header	\$6	nonclustered	34	5,251	23	61.76
Decora Blind Systems	7321	Decora Blind Systems\$Warehouse Shipment Line	\$14	nonclustered	31	1,255	31	93.55
Decora Blind Systems	7320	Decora Blind Systems\$Warehouse Shipment Header	\$2	nonclustered	30	5,251	18	50
Decora Blind Systems	7320	Decora Blind Systems\$Warehouse Shipment Header	\$4	nonclustered	30	5,251	22	56.67
Decora Blind Systems	7320	Decora Blind Systems\$Warehouse Shipment Header	\$1	nonclustered	29	5,251	27	62.07
Decora Blind Systems	7354	Decora Blind Systems\$Bin	\$5	nonclustered	28	8,760	13	32.14
Decora Blind Systems	7321	Decora Blind Systems\$Warehouse Shipment Line	\$13	nonclustered	27	1,255	24	77.78
Decora Blind Systems	7321	Decora Blind Systems\$Warehouse Shipment Line	\$12	nonclustered	24	1,255	18	66.67
Decora Blind Systems	66075	Decora Blind Systems\$Stock Risk Assessment	Decora Blind Systems\$Stock Risk Assessment\$0	clustered	22	1	9	31.82
Decora Blind Systems	10550	Decora Blind Systems\$BACS Ledger Entry	\$6	nonclustered	21	14,631	10	38.1

SIFT

Within indexes we differentiate SIFT tables and normal indexes. SIFT tables are used in NAV to calculate flow fields. The first measurements show the following processes to put the heaviest load on the database.

Below are the top 50 VSIFT tables in terms of index costs.

Company	ID	SIFT Index from Table	Indexes	Index Keys	Index Cost	Index Key Cost	Rows	Updates	Base Table Rows	% of Basetable	SQLName
Decora Blind Systems	37	Sales Line	1	9	91,648	824,832	35,919	91,648	329,854	✓ 10.89%	Decora Blind Systems\$Sales Line\$VSIFT\$1
Decora Blind Systems	7312	Warehouse Entry	1	11	63,607	699,677	707,677	63,607	18,540,034	✓ 3.82%	Decora Blind Systems\$Warehouse Entry\$VSIFT\$4
Decora Blind Systems	32	Item Ledger Entry	1	9	51,598	464,382	4,216,505	51,598	13,040,610	✓ 32.33%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$7
Decora Blind Systems	5802	Value Entry	1	11	40,237	442,607	8,200,705	40,237	21,135,998	✓ 38.80%	Decora Blind Systems\$Value Entry\$VSIFT\$13
Decora Blind Systems	32	Item Ledger Entry	1	7	61,826	432,782	4,262,253	61,826	13,040,610	✓ 32.68%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$4
Decora Blind Systems	7312	Warehouse Entry	1	6	63,607	381,642	707,064	63,607	18,540,034	✓ 3.81%	Decora Blind Systems\$Warehouse Entry\$VSIFT\$13
Decora Blind Systems	32	Item Ledger Entry	1	7	52,417	366,919	79,870	52,417	13,040,610	✓ 0.61%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$16
Decora Blind Systems	5802	Value Entry	1	9	40,292	362,628	4,909,463	40,292	21,135,998	✓ 23.23%	Decora Blind Systems\$Value Entry\$VSIFT\$3
Decora Blind Systems	17	G/L Entry	1	5	69,400	347,000	7,116,249	69,400	25,868,613	✓ 27.51%	Decora Blind Systems\$G_L Entry\$VSIFT\$17
Decora Blind Systems	17	G/L Entry	1	5	69,380	346,900	2,965,258	69,380	25,868,613	✓ 11.46%	Decora Blind Systems\$G_L Entry\$VSIFT\$4
Decora Blind Systems	7312	Warehouse Entry	1	5	64,690	323,450	326,609	64,690	18,540,034	✓ 1.76%	Decora Blind Systems\$Warehouse Entry\$VSIFT\$14
Decora Blind Systems	7312	Warehouse Entry	1	7	44,830	313,810	114,787	44,830	18,540,034	✓ 0.62%	Decora Blind Systems\$Warehouse Entry\$VSIFT\$5
Decora Blind Systems	32	Item Ledger Entry	1	6	51,845	311,070	4,151,457	51,845	13,040,610	✓ 31.83%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$6
Decora Blind Systems	37	Sales Line	1	3	97,613	292,839	329,854	97,613	329,854	✗ 100.00%	Decora Blind Systems\$Sales Line\$VSIFT\$0
Decora Blind Systems	37	Sales Line	1	4	71,325	285,300	5,748	71,325	329,854	✓ 1.74%	Decora Blind Systems\$Sales Line\$VSIFT\$14
Decora Blind Systems	37	Sales Line	1	3	93,354	280,062	2,690	93,354	329,854	✓ 0.82%	Decora Blind Systems\$Sales Line\$VSIFT\$3
Decora Blind Systems	17	G/L Entry	1	4	69,416	277,664	4,390,905	69,416	25,868,613	✓ 16.97%	Decora Blind Systems\$G_L Entry\$VSIFT\$16
Decora Blind Systems	17	G/L Entry	1	4	69,380	277,520	2,965,258	69,380	25,868,613	✓ 11.46%	Decora Blind Systems\$G_L Entry\$VSIFT\$2
Decora Blind Systems	32	Item Ledger Entry	1	5	51,554	257,770	35,376	51,554	13,040,610	✓ 0.27%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$30
Decora Blind Systems	37	Sales Line	1	3	81,149	243,447	29,299	81,149	329,854	✓ 8.88%	Decora Blind Systems\$Sales Line\$VSIFT\$15
Decora Blind Systems	5802	Value Entry	1	6	40,268	241,608	9,481,911	40,268	21,135,998	✓ 44.86%	Decora Blind Systems\$Value Entry\$VSIFT\$7
Decora Blind Systems	32	Item Ledger Entry	1	6	40,165	240,990	4,253,563	40,165	13,040,610	✓ 32.62%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$3
Decora Blind Systems	32	Item Ledger Entry	1	4	55,158	220,632	110,472	55,158	13,040,610	✓ 0.85%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$28
Decora Blind Systems	17	G/L Entry	1	3	69,416	208,248	206,881	69,416	25,868,613	✓ 0.80%	Decora Blind Systems\$G_L Entry\$VSIFT\$3
Decora Blind Systems	17	G/L Entry	1	3	69,416	208,248	206,881	69,416	25,868,613	✓ 0.80%	Decora Blind Systems\$G_L Entry\$VSIFT\$10
Decora Blind Systems	17	G/L Entry	1	3	69,416	208,248	4,390,746	69,416	25,868,613	✓ 16.97%	Decora Blind Systems\$G_L Entry\$VSIFT\$15
Decora Blind Systems	32	Item Ledger Entry	1	5	40,159	200,795	5,758,507	40,159	13,040,610	✓ 44.16%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$25
Decora Blind Systems	32	Item Ledger Entry	1	6	33,327	199,962	4,276,444	33,327	13,040,610	✓ 32.79%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$29
Decora Blind Systems	37	Sales Line	1	3	54,523	163,569	33,998	54,523	329,854	✓ 10.31%	Decora Blind Systems\$Sales Line\$VSIFT\$16
Decora Blind Systems	5802	Value Entry	1	4	40,293	161,172	3,908,836	40,293	21,135,998	✓ 18.49%	Decora Blind Systems\$Value Entry\$VSIFT\$6
Decora Blind Systems	32	Item Ledger Entry	1	5	31,477	157,385	6,778,488	31,477	13,040,610	✓ 51.98%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$5
Decora Blind Systems	17	G/L Entry	1	2	69,416	138,832	206,881	69,416	25,868,613	✓ 0.80%	Decora Blind Systems\$G_L Entry\$VSIFT\$1
Decora Blind Systems	32	Item Ledger Entry	1	3	40,235	120,705	833,457	40,235	13,040,610	✓ 6.39%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$24
Decora Blind Systems	254	VAT Entry	1	6	13,833	82,998	380,714	13,833	5,479,333	✓ 6.95%	Decora Blind Systems\$VAT Entry\$VSIFT\$3
Decora Blind Systems	32	Item Ledger Entry	1	2	40,241	80,482	36,471	40,241	13,040,610	✓ 0.28%	Decora Blind Systems\$Item Ledger Entry\$VSIFT\$19
Decora Blind Systems	254	VAT Entry	1	5	13,833	69,165	22,386	13,833	5,479,333	✓ 0.41%	Decora Blind Systems\$VAT Entry\$VSIFT\$1
Decora Blind Systems	254	VAT Entry	1	5	13,833	69,165	6,740	13,833	5,479,333	✓ 0.12%	Decora Blind Systems\$VAT Entry\$VSIFT\$2
Decora Blind Systems	379	Detailed Cust. Ledg. Entry	1	5	11,598	57,990	1,712,368	11,598	5,833,455	✓ 29.35%	Decora Blind Systems\$Detailed Cust_Ledg_Entry\$VSIFT\$7
Decora Blind Systems	39	Purchase Line	1	8	5,978	47,824	35,554	5,978	460,926	✓ 7.71%	Decora Blind Systems\$Purchase Line\$VSIFT\$13
Decora Blind Systems	379	Detailed Cust. Ledg. Entry	1	4	11,598	46,392	1,288,386	11,598	5,833,455	✓ 22.09%	Decora Blind Systems\$Detailed Cust_Ledg_Entry\$VSIFT\$5
Decora Blind Systems	39	Purchase Line	1	6	7,301	43,806	267,098	7,301	460,926	✓ 57.95%	Decora Blind Systems\$Purchase Line\$VSIFT\$15
Decora Blind Systems	66005	Average Weekly Usage	1	3	13,123	39,369	669,722	13,123	1,752,546	✓ 38.21%	Decora Blind Systems\$Average Weekly Usage\$VSIFT\$1
Decora Blind Systems	379	Detailed Cust. Ledg. Entry	1	3	11,886	35,658	1,649,503	11,886	5,833,455	✓ 28.28%	Decora Blind Systems\$Detailed Cust_Ledg_Entry\$VSIFT\$4
Decora Blind Systems	379	Detailed Cust. Ledg. Entry	1	3	11,598	34,794	1,078,764	11,598	5,833,455	✓ 18.49%	Decora Blind Systems\$Detailed Cust_Ledg_Entry\$VSIFT\$13
Decora Blind Systems	39	Purchase Line	1	3	8,027	24,081	6	8,027	460,926	✓ 0.00%	Decora Blind Systems\$Purchase Line\$VSIFT\$14
Decora Blind Systems	66051	Cancelled Pick Lines	1	10	2,102	21,020	51,768	2,102	1,009,552	✓ 5.13%	Decora Blind Systems\$Cancelled Pick Lines\$VSIFT\$13
Decora Blind Systems	66051	Cancelled Pick Lines	1	10	2,102	21,020	42,309	2,102	1,009,552	✓ 4.19%	Decora Blind Systems\$Cancelled Pick Lines\$VSIFT\$14
Decora Blind Systems	21	Cust. Ledger Entry	1	3	6,562	19,686	1,078,762	6,562	3,075,576	✓ 35.08%	Decora Blind Systems\$Cust_Ledger Entry\$VSIFT\$1
Decora Blind Systems	21	Cust. Ledger Entry	1	3	6,562	19,686	1,079,383	6,562	3,075,576	✓ 35.10%	Decora Blind Systems\$Cust_Ledger Entry\$VSIFT\$19
Decora Blind Systems	7311	Warehouse Journal Line	1	3	5,465	16,395	297	5,465	451	⚠ 65.85%	Decora Blind Systems\$Warehouse Journal Line\$VSIFT\$7

VSIFT usage

This table shows the number of unused VSIFTS:

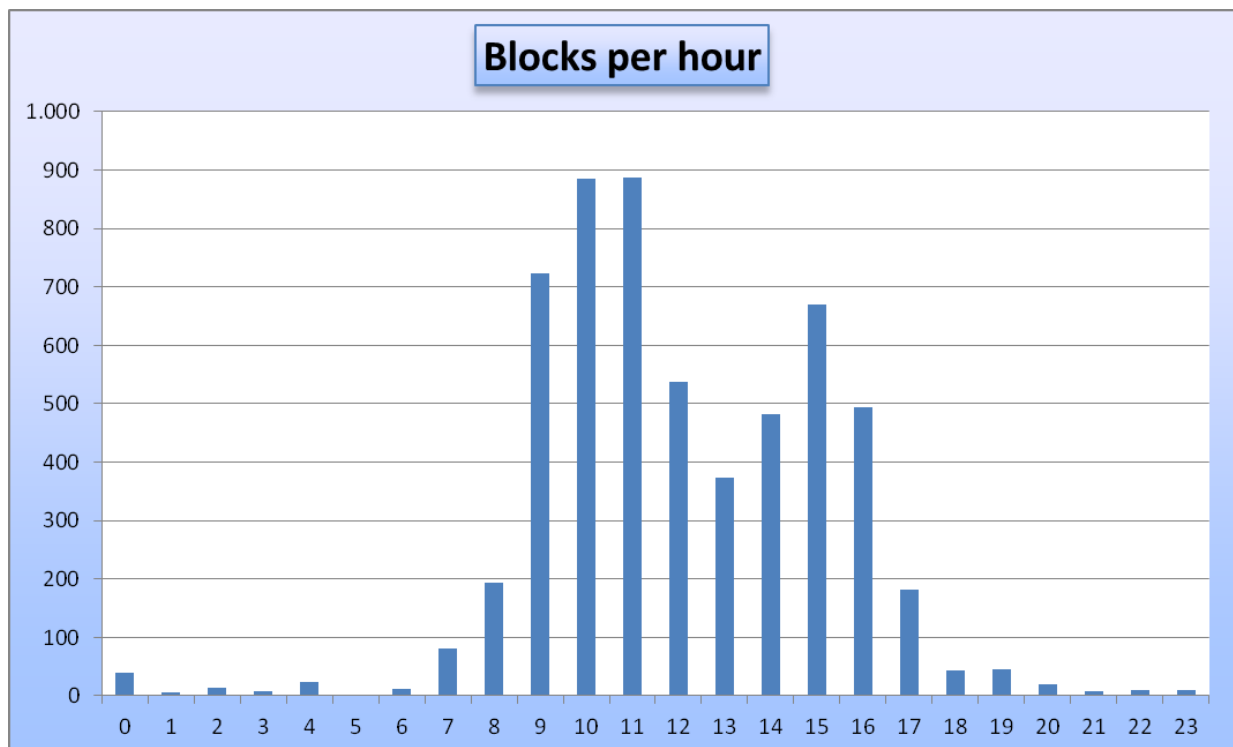
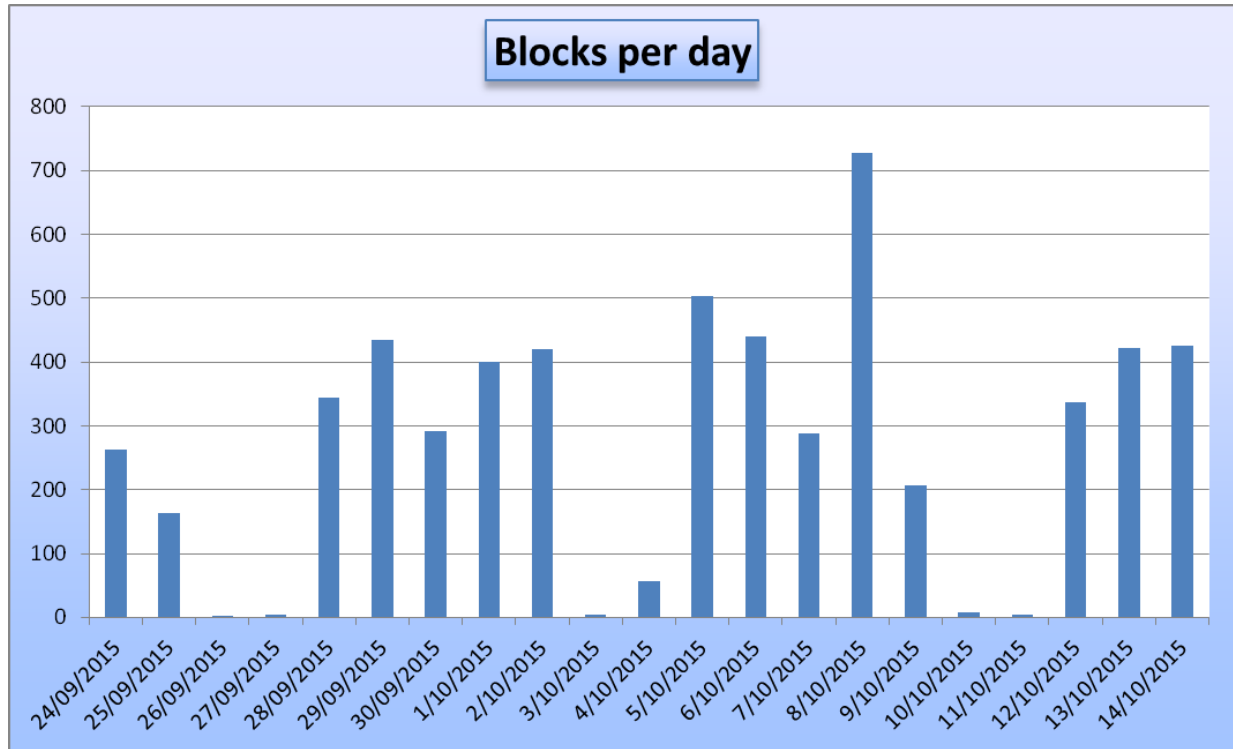
Table	# Updates	Index Keys
G/L Entry	13,712,776	6
Item Ledger Entry	5,824,453	5
Sales Line	1,759,094	1
VAT Entry	1,161,681	3
Purchase Line	212,736	1
Cust. Ledger Entry	184,895	1
Cancelled Pick Lines	152,448	3
Bank Acc. Reconciliation Line	15,574	1
Bank Account Ledger Entry	12,620	2
Whse. Cross-Dock Opportunity	3,131	1
BACS Ledger Entry	2,890	1
Action Message Entry	2,085	1
FA Ledger Entry	820	1
Service Ledger Entry	29	4

Blocks, deadlocks & timeouts

Every database has locks. Locks occur when users change or create records. Too many locks or locks that are kept active too long can result in blocks; when users start waiting for each other.

During the test period the SQL Perform Tools lock and Block monitors were running. This shows the following blocking processes.

Blocks



Blocking Users	Blocks
HANNAHMCCANN	830
BOXBLIND	681
ZONE4	371
SA	323
ZONE1	274
ZONESAMPLES	269
ZONE2	248
BWAREHOUSEZONE2B	223
BWAREHOUSEZONE1B	222
KAROLINABUDASZ	211
BWAREHOUSEZONE1A	181
K5-WS-DESPATCH	169
K5KITTING01	141
DECORA\ADMINISTRATOR	140
VANESSAKEARNEY	134
ZONE3	126
SYSCO	108
BWAREHOUSEZONE2A	96
SHAUNLUCKIE	96
KAMILAKOLASINSKA	84
GOODSINPICKS	70
CHRISWYLIE	60
GEOFFREYABERNETHY	57
DAVIDIRWIN	49
HEATHERASHE	42
SIMONHOUSTON	39
ANDREWBELSHAW	35
JASONTAGGART	32
ANDREACUMMINGS	32
DECORA\WEBPORTAL	29
CURTISMENICE	29
ROBERTMCCARTNEY	24
NAV_REPORTING	22
BLINDATA	21
BWAREHOUSEGOODSIN	20
K5-SUNKITTING	19
GOODSINW2	18
LAURAMCMULLEN	17
AARONRAINEY	16
GAVINBECK	15

Blocking Users	Blocks
IRENEMATHERS	15
NAOMIGWYNNE	14
LEEANNETORBIT	12
JANEFOX	12
ANDREWBINGHAM	11
RAYMONDSYMT1	9
KATARZYNAROGATKA	9
LEANNELINDSAY	9
LOUISEGIBSON	7
SIRETSULTS	6
ALANHANNA	6
MARCINPERON	5
DAVIDGRICE	5
HEATHERWATSON	5
BRIANSIMPSON	4
NEALCONNOR	4
NATALIESTINTON	4
KARENGALBRAITH	4
MARGARETGREEN	3
VIKTORSMETANIN	2
DEANMAYES	2
CATHERINEKEEGAN	2
JULIECAMPBELL	2
SYLVIAWILSON	2
MINDAUGASKUTKEVICIUS	2
OWENWILSON	2
JACEKJACKOWSKA	2
DAVIDSMYLIE	2
DALECAMPBELL	2
AMANDABOAL	2
MATTHEWGASTON	1
JUSTINEBLACK	1
WILLIAMOLIVER	1
MIKEWILLIAMS	1
PAULMOLLOY	1
CLARKESTEVENS	1
GOODSIN	1
GARYHYNDS	1
DECORA\CHRISWYLIE	1
JILLMEEKE	1

blocked Users	Blocks	blocked Users	Blocks
ZONE4	415	LOUVRESKA	9
ZONE1	392	JULIECAMPBELL	9
DECORA\WEBPORTAL	264	ALUMINIUMSKA	9
ZONE2	263	CLAIREMASON	9
BWAREHOUSEZONE1B	223	DAVIDDORRINGTON	8
ZONESAMPLES	223	WILLIAMFLANAGAN	8
BOXBLIND	219	AARONRAINEY	7
BWAREHOUSEZONE2B	218	K5-SUNKITTING	7
KAMILAKOLASINSKA	202	CATHERINEKEEGAN	7
HANNAHMCCANN	189	LISAMOORE	7
BWAREHOUSEZONE1A	158	SAMUELSWAFFIELD	7
BWAREHOUSEZONE2A	154	SHARONROBINSON	7
DECORA\ADMINISTRATOR	122	CARMELOFORCHIONE	6
SIRETSULTS	115	MARCINPERON	6
DEANMAYES	110	TAPESKA	6
HEATHERASHE	97	GARYHYNDS	6
K5-WS-DESPATCH	97	GOODSIN	6
SYLVIAWILSON	89	CAOIMBHEJOYCE	6
MARGARETGREEN	86	SUNWOODKA	6
CURTISMENICE	85	NAV_REPORTING	5
KAROLINABUDASZ	80	DARRENBROWN	5
NEALCONNOR	75	HEATHERWATSON	4
LEANNELINDSAY	70	MATTHEWGASTON	4
GOODSINPICKS	66	ANDREWBINGHAM	4
JACEKJACKOWSKA	63	LOUISECARSON	4
IRENEMATHERS	58	LOISGREENFIELD	4
JILLMEEKE	52	NT AUTHORITY\NETWORK SERVICE	4
LOUISEGIBSON	52	CLARKESTEVENS	4
ROBERTMCCARTNEY	51	MIROSLAVHOSEK	3
VANESSAKEARNEY	49	CHRISWYLIE	3
SIMONHOUSTON	49	EMMAGIBSON	3
ROSIEBELSHAW	49	EMMAHOLMES	3
JANEFox	49	KATARZYNASKLADANEK	3
ANDREACUMMINGS	48	VIKTORSMETANIN	3
BWAREHOUSEGOODSIN	48	WOODKA	3
JASONTAGGART	48	ALANNAHMURPHY	3
KATARZYNAROGATKA	46	DESPATCHKA	2
ZONE3	44	LISAFINLAY	2
GEOFFREYABERNETHY	44	PENGMCGETTIGAN	2
NATALIESTINTON	43	ROBINMCDONALD	2
KARENGALBRAITH	41	CALLUMHUGHES	2
SYSCO	40	DENISEMCMULLAN	2
PAULAKYDD	40	ZANETABEDNARSKA	2
DEBORAHCAIRNS	37	ANNANIEZGODZKA	2
GOODSINW2	37	ALANHANNA	2
HAZELMCGARRELL	35	WAYNEWHITESIDE	1
MINDAUGASKUTKEVICIUS	34	MIKEWILLIAMS	1
LISACRAIG	30	SHAUNLUCKIE	1
DAVIDGRICE	29	K3DESPATCHKA	1
KSKITTING01	29	SCARLETTEBARNES	1
JUSTINEBLACK	27	BARRYGEDDIS	1
KIRSTYLYNESS	27	NATALIEMOORE	1
LEEANNETORBIT	26	BRONAGHBOYLE	1
BARRYSEELEY	21	SHIRLEYHENDRON	1
LINDAFLANAGAN	20	LYNSAYMCAULEY	1
GAVINBECK	19	SARAHMILLWARD	1
AMANDABOAL	18	JULIEANNQUIGLEY	1
RAYMONDSYMYTH1	18	SCOTTMAYES	1
ROLLERSKA	18	ELIZABETHBRENNAN	1
OWENWILSON	18	BRIANSIMPSON	1
DAVIDSMYLIE	17	DAVIDIRWIN	1
WILLIAMOLIVER	17	GEORGEYOUNG	1
LOUISECREANEY	16	SYLWIAKOWALCZYK	1
DAVIDBROWNLEE	16	ANTHONYM CLOUGHLIN	1
LAURAMCMULLEN	12	LISABRANNIGAN	1
NAOMIGWYNNE	12	TAMARAFISHER	1
SINEADLAMONT	11	DECORA\CHRISWYLIE	1
ANDREWBELSHAW	10	SIMONLOCKE	1
NICOLACONDIE	10	CLAIREHALL	1
DALECAMPBELL	9	SIMONMARSHALL	1
TOMMYHEWITT	9		

Blocking users/blocked users (top 5)	Blocks	Blocking users/blocked users (top 5)	Blocks	Blocking users/blocked users (top 5)	Blocks
HANNAHMCCANN	242	SA	85	SYSCO	36
DECORA\WEBPORTAL	87	DECORA\WEBPORTAL	17	MARGARETGREEN	6
ZONE4	47	SIRETSULTS	13	BWAREHOUSEZONE1B	4
ZONE1	37	JANEFox	10	ZONE4	4
NEALCONNOR	36	VANESSAKEARNEY	9	SIRETSULTS	4
BWAREHOUSEZONE2B	35	BOXBLIND	9	SIMONHOUSTON	3
BOXBLIND	204	ZONE1	9	SYLVIAWILSON	3
BOXBLIND	65	BWAREHOUSEZONE2B	9	ZONE2	3
ZONE4	42	DECORA\ADMINISTRATOR	9	NEALCONNOR	3
ZONE1	34	K5-WS-DESPATCH	79	BWAREHOUSEZONE1A	3
DECORA\WEBPORTAL	32	ZONE1	24	ROBERTMCCARTNEY	3
HANNAHMCCANN	31	BWAREHOUSEZONE2B	15	KAMILAKOLASINSKA	34
ZONE4	143	ZONE4	15	ZONESAMPLES	8
ZONE1	42	BWAREHOUSEZONE1B	13	ZONE1	8
ZONE2	28	ZONE2	12	ZONE4	7
ZONESAMPLES	26	DECORA\ADMINISTRATOR	78	DECORA\WEBPORTAL	6
BWAREHOUSEZONE1B	24	DECORA\ADMINISTRATOR	35	SYLVIAWILSON	5
HANNAHMCCANN	23	PAULAKYDD	17	GEOFFREYABERNETHY	32
ZONESAMPLES	128	BOXBLIND	12	ZONE4	10
ZONE4	35	ZONE4	7	ZONE1	5
ZONE1	32	ZONE2	7	KAMILAKOLASINSKA	4
BWAREHOUSEZONE1B	22	KSKITTING01	64	BWAREHOUSEZONE1A	4
ZONE2	21	BOXBLIND	16	HANNAHMCCANN	3
KAMILAKOLASINSKA	18	ZONE2	12	ZONESAMPLES	3
ZONE1	115	DECORA\WEBPORTAL	10	ZONE2	3
ZONE4	24	DECORA\ADMINISTRATOR	6	DAVIDIRWIN	30
ZONESAMPLES	23	BWAREHOUSEZONE2B	5	DEANMAYES	3
ZONE2	21	SYLVIAWILSON	5	KAMILAKOLASINSKA	3
BWAREHOUSEZONE2B	19	DEANMAYES	5	SAMUELSWAFFIELD	2
BWAREHOUSEZONE2A	14	SIRETSULTS	5	LOUISEGIBSON	2
ZONE1	14	VANESSAKEARNEY	52	SYLVIAWILSON	2
BWAREHOUSEZONE1B	99	DEANMAYES	11	HANNAHMCCANN	2
ZONE1	30	ZONE1	10	NAOMIGWYNNE	2
ZONE4	22	DECORA\WEBPORTAL	10	JILLMEEKE	2
BWAREHOUSEZONE2B	18	ZONE4	9	SIRETSULTS	2
BWAREHOUSEZONE1A	15	MARGARETGREEN	6	VANESSAKEARNEY	2
ZONESAMPLES	14	CURTISMENICE	6	GEOFFREYABERNETHY	2
BWAREHOUSEZONE2B	98	ZONE3	50	ZONE4	2
ZONE4	27	ZONE1	15	BOXBLIND	2
ZONE1	20	ZONE4	10	LISACRAIG	2
BWAREHOUSEZONE1B	18	KAMILAKOLASINSKA	9	GOODSINPICKS	30
BWAREHOUSEZONE1A	17	ZONESAMPLES	8	BWAREHOUSEZONE2B	8
ZONE2	16	BWAREHOUSEZONE2B	8	ZONE1	7
ZONE2	96	BWAREHOUSEZONE2A	45	ZONE4	6
ZONE1	23	ZONE4	13	ZONE2	5
ZONE4	20	BWAREHOUSEZONE1B	11	ZONESAMPLES	4
BWAREHOUSEZONE1B	20	ZONE1	9	DECORA\WEBPORTAL	29
ZONE2	17	HANNAHMCCANN	6	DECORA\WEBPORTAL	11
BWAREHOUSEZONE1A	16	ZONE2	6	CURTISMENICE	2
BWAREHOUSEZONE1A	90	SHAUNLUCKIE	45	KIRSTYLYNESS	2
ZONESAMPLES	19	DECORA\WEBPORTAL	16	CAOIMBHEJOYCE	1
BWAREHOUSEZONE1B	19	CURTISMENICE	5	CHRISWYLIE	1
ZONE4	18	KIRSTYLYNESS	5	VANESSAKEARNEY	1
ZONE1	18	LOUISECREANEY	4	BOXBLIND	1
BWAREHOUSEZONE2B	16	ZONE1	3	LINDAFLANAGAN	1
KAROLINABUDASZ	90	LOUISEGIBSON	3	DEBORAHCAIRNS	1
ZONE4	27	BWAREHOUSEZONE2A	3	NEALCONNOR	1
HANNAHMCCANN	19	DEANMAYES	3	PAULAKYDD	1
ZONE1	13	LINDAFLANAGAN	3	ROSIEBELSHAW	1
HEATHERASHE	11			SIRETSULTS	1
ROLLERSKA	10			HANNAHMCCANN	1
BOXBLIND	10			ZONE4	1
				HAZELMCGARRELL	1
				K5-WS-DESPATCH	1

Blocking users/blocked users (top 5)	Blocks	Blocking users/blocked users (top 5)	Blocks	Blocking users/blocked users (top 5)	Blocks
SIMONHOUSTON	27	JASONTAGGART	19	IRENEMATHERS	15
HANNAHMCCANN	6	ZONE2	5	ZONE4	4
ZONE4	5	BWAREHOUSEZONE2B	4	HANNAHMCCANN	4
BWAREHOUSEZONE1A	3	ZONE4	3	ZONE2	3
ZONESAMPLES	3	BWAREHOUSEZONE1A	3	BWAREHOUSEZONE2A	1
BWAREHOUSEZONE2B	2	ZONESAMPLES	2	BWAREHOUSEZONE1B	1
ZONE2	2	HEATHERASHE	2	BOXBLIND	1
ZONE1	2	K5-SUNKITTING	19	K5-WS-DESPATCH	1
KAMILAKOLASINSKA	2	HANNAHMCCANN	3	GAVINBECK	15
ROBERTMCCARTNEY	2	K5KITTING01	2	ZONE1	3
HEATHERASHE	25	LEANNELINDSAY	2	BOXBLIND	2
HANNAHMCCANN	7	BOXBLIND	2	KAMILAKOLASINSKA	2
ZONE4	5	SIRETSULTS	1	BWAREHOUSEZONE1B	1
BOXBLIND	5	NATALIESTINTON	1	LISACRAIG	1
ZONE2	4	BWAREHOUSEZONE1A	1	BWAREHOUSEZONE2A	1
KAMILAKOLASINSKA	4	BWAREHOUSEZONE2A	1	SIRETSULTS	1
CHRISWYLIE	24	RAYMONDSYMT1	1	CURTISMENICE	1
DECORA\WEBPORTAL	8	ZONE2	1	ZONE4	1
SIRETSULTS	4	ZONE1	1	JULIECAMPBELL	1
KIRSTYLYNESS	3	DEANMAYES	1	K5KITTING01	1
MARGARETGREEN	3	LISACRAIG	1	NAOMIGWYNNE	14
AMANDABOAL	3	K5-WS-DESPATCH	1	ZONE1	2
KARENGALBRAITH	3	GOODSINW2	18	PENGMCGETTIGAN	1
ANDREWBELSHAW	23	BWAREHOUSEZONE1B	3	SIRETSULTS	1
KATARZYNDAROGATKA	6	ZONE4	3	BWAREHOUSEGOODSIN	1
ZONE4	4	ZONE1	2	AMANDABOAL	1
ROBERTMCCARTNEY	4	ZONE2	2	BWAREHOUSEZONE1B	1
DECORA\WEBPORTAL	3	K5-WS-DESPATCH	1	ROSIEBELSHAW	1
HANNAHMCCANN	2	JASONTAGGART	1	CURTISMENICE	1
NATALIESTINTON	2	BWAREHOUSEZONE2B	1	SYLVIAWILSON	1
CURTISMENICE	2	BWAREHOUSEGOODSIN	1	DECORA\WEBPORTAL	1
ANDREACUMMINGS	22	ZONESAMPLES	1	ZONE4	1
ZONE4	4	DEBORAHCAIRNS	1	K3DESPATCHKA	1
DECORA\WEBPORTAL	4	BOXBLIND	1	NATALIESTINTON	1
ROLLERSKA	3	HANNAHMCCANN	1	CURTISMENICE	13
ZONESAMPLES	3	LAURAMCMULLEN	17	DECORA\WEBPORTAL	3
ZONE1	2	ZONESAMPLES	3	NEALCONNOR	3
DEANMAYES	2	BWAREHOUSEZONE2A	2	KAMILAKOLASINSKA	3
BWAREHOUSEZONE2A	2	BWAREHOUSEZONE1A	2	SIRETSULTS	2
NATALIESTINTON	2	HANNAHMCCANN	2	NATALIESTINTON	2
NAV_REPORTING	22	K5-WS-DESPATCH	1	ROBERTMCCARTNEY	13
PAULAKYDD	10	ZONE2	1	DECORA\WEBPORTAL	5
DECORA\ADMINISTRATOR	7	LISACRAIG	1	ZONESAMPLES	2
SYSCO	2	BWAREHOUSEGOODSIN	1	JANEFOX	2
LOISGREENFIELD	2	ZONE4	1	CLAIREMASON	2
NAV_REPORTING	1	JASONTAGGART	1	BWAREHOUSEZONE2B	2
BLINDATA	21	BOXBLIND	1	LEEANNETORBIT	12
SYSCO	21	HEATHERASHE	1	HANNAHMCCANN	3
BWAREHOUSEGOODSIN	20	AARONRAINEY	16	LEANNELINDSAY	2
ZONE1	3	CATHERINEKEEGAN	2	BOXBLIND	1
BWAREHOUSEZONE1B	2	BARRYSEELEY	2	KARENGALBRAITH	1
KAMILAKOLASINSKA	2	KIRSTYLYNESS	1	KAROLINABUDASZ	1
ROBERTMCCARTNEY	1	CLARKESTEVEN	1	IRENEMATHERS	1
HEATHERASHE	1	ROBERTMCCARTNEY	1	VANESSAKEARNEY	1
DECORA\ADMINISTRATOR	1	DEANMAYES	1	JACEKJACKOWSKA	1
JANEFOX	1	JULIECAMPBELL	1	KAMILAKOLASINSKA	1
LEANNELINDSAY	1	DECORA\ADMINISTRATOR	1		
JASONTAGGART	1	NATALIEMOORE	1		
SYLVIAWILSON	1	DENISEMCMULLAN	1		
ZONE4	1	SCARLETTEBARNES	1		
ZONE2	1	SYLVIAWILSON	1		
ZONESAMPLES	1	JILLMEEKE	1		
LAURAMCMULLEN	1	JACEKJACKOWSKA	1		
BWAREHOUSEZONE1A	1				
KAROLINABUDASZ	1				

Blocking users/blocked users (top 5)	Blocks	Blocking users/blocked users (top 5)	Blocks	Blocking users/blocked users (top 5)	Blocks
JANEFOX	12	SIRETSULTS	6	OWENWILSON	2
ZONE2	2	NEALCONNOR	1	ZONE1	1
SIRETSULTS	1	TOMMYHEWITT	1	BWAREHOUSEGOODSIN	1
ROBERTMCCARTNEY	1	SHARONROBINSON	1	JULIECAMPBELL	2
ANDREACUMMINGS	1	JANEFOX	1	TOMMYHEWITT	1
BWAREHOUSEZONE1B	1	ANDREACUMMINGS	1	SIRETSULTS	1
ROSIEBELSHAW	1	LINDAFLANAGAN	1	SYLVIAWILSON	2
DEANMAYES	1	HEATHERWATSON	5	DEANMAYES	1
BWAREHOUSEZONE1A	1	NEALCONNOR	1	CAOIMBHEJOYCE	1
VANESSAKEARNEY	1	DEANMAYES	1	MINDAUGASKUTKEVICIUS	2
DEBORAHCAIRNS	1	ROSIEBELSHAW	1	ZONE4	1
JASONTAGGART	1	DECORA\WEBPORTAL	1	HANNAHMCCANN	1
ANDREWBINGHAM	11	JILLMEEKE	1	MIKEWILLIAMS	1
ZONE1	1	DAVIDGRICE	5	MIKEWILLIAMS	1
BOXBLIND	1	OWENWILSON	1	MATTHEWGASTON	1
ZONE4	1	ANDREACUMMINGS	1	VANESSAKEARNEY	1
DECORA\WEBPORTAL	1	ZONE1	1	PAULMOLLOY	1
SYLVIAWILSON	1	DECORA\ADMINISTRATOR	1	HAZELMCGARRELL	1
EMMAGIBSON	1	KAROLINABUDASZ	1	CLARKESTEVENS	1
ZONE2	1	MARCINPERON	5	WILLIAMFLANAGAN	1
JACEKJACKOWSKA	1	DECORA\ADMINISTRATOR	4	GOODSIN	1
ZONESAMPLES	1	ZONE1	1	SIMONHOUSTON	1
KAMILAKOLASINSKA	1	NATALIESTINTON	4	DECORA\CHRISWYLIE	1
LAURAMCMULLEN	1	ZONE2	1	KAMILAKOLASINSKA	1
KATARZYNAROGATKA	9	ZONE1	1	GARYHYNDS	1
ZONE1	2	BWAREHOUSEZONE1A	1	PAULAKYDD	1
KAROLINABUDASZ	2	K5-WS-DESPATCH	1	JUSTINEBLACK	1
ZONE2	1	BRIANSIMPSON	4	JUSTINEBLACK	1
HANNAHMCCANN	1	LOUISEGIBSON	1	WILLIAMOLIVER	1
ZONE3	1	JULIECAMPBELL	1	LINDAFLANAGAN	1
BWAREHOUSEZONE1B	1	DEANMAYES	1	JILLMEEKE	1
ROBERTMCCARTNEY	1	JACEKJACKOWSKA	1	HAZELMCGARRELL	1
RAYMONDSYMT1	9	KARENGALBRAITH	4		
ZONE1	1	HANNAHMCCANN	3		
MINDAUGASKUTKEVICIUS	1	K5-WS-DESPATCH	1		
BWAREHOUSEZONE1B	1	NEALCONNOR	4		
GOODSIN	1	LISACRAIG	1		
SIMONHOUSTON	1	LEEANNETORBIT	1		
GOODSINW2	1	BWAREHOUSEGOODSIN	1		
ZONE4	1	CURTISMENICE	1		
K5-WS-DESPATCH	1	MARGARETGREEN	3		
KAROLINABUDASZ	1	SIRETSULTS	2		
LEANNELINDSAY	9	WOODKA	1		
LEEANNETORBIT	2	DAVIDSMYLIE	2		
LISACRAIG	1	ZONE1	1		
ZONE4	1	ANDREACUMMINGS	1		
HANNAHMCCANN	1	DEANMAYES	2		
ZONE1	1	RAYMONDSYMT1	1		
JANEFOX	1	DEANMAYES	1		
BWAREHOUSEZONE2A	1	AMANDABOAL	2		
KARENGALBRAITH	1	ZONESAMPLES	1		
LOUISEGIBSON	7	HANNAHMCCANN	1		
ANDREACUMMINGS	1	CATHERINEKEEGAN	2		
ROSIEBELSHAW	1	LINDAFLANAGAN	1		
JUSTINEBLACK	1	DAVIDBROWNLIE	1		
CURTISMENICE	1	VIKTORSMETANIN	2		
WILLIAMOLIVER	1	OWENWILSON	1		
DECORA\ADMINISTRATOR	1	DECORA\ADMINISTRATOR	1		
JULIECAMPBELL	1	DALECAMPBELL	2		
ALANHANNA	6	CLAIREMASON	2		
ZONE4	2	JACEKJACKOWSKA	2		
BWAREHOUSEZONE1B	1	GARYHYNDS	1		
KAMILAKOLASINSKA	1	BOXBLIND	1		
BWAREHOUSEZONE2A	1				
GAVINBECK	1				

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Decora Blind Systems\$G_L Entry	1.417
Decora Blind Systems\$Warehouse Shipment Header	774
Decora Blind Systems\$No_Series Line	415
Decora Blind Systems\$Sales Line	392
Decora Blind Systems\$Warehouse Entry	369
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Decora Blind Systems\$Analysis View	327
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Decora Blind Systems\$Sales Header	167
Decora Blind Systems\$Sales Header Archive	142
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Decora Blind Systems\$Document Dimension	92
Decora Blind Systems\$Sales Line\$VSIFT\$15	85
Decora Blind Systems\$Sunwood Transfer Sheet	68
Decora Blind Systems\$Warehouse Request	57
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Decora Blind Systems\$Item Ledger Entry	39
Decora Blind Systems\$Sales Line\$VSIFT\$0	38
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Decora Blind Systems\$Item	32
Decora Blind Systems\$Reservation Entry	31
Decora Blind Systems\$Warehouse Shipment Line	31
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Decora Blind Systems\$Warehouse Activity Header	29
Decora Blind Systems\$Whse_Worksheet Line	25
Decora Blind Systems\$Whse_Item Tracking Line	24
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Decora Blind Systems\$Warehouse Activity Line	22
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Decora Blind Systems\$Item Journal Line	19
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Decora Blind Systems\$Fabric Transfer Sheet	16
Decora Blind Systems\$Planning Assignment	14
DecoraERP.Decora Blind Systems\$Sales Line	14
Decora Blind Systems\$Sales Invoice Line	13
Hardware AM	13
DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$15	10
DecoraERP.Decora Blind Systems\$G_L Entry	10
Decora Blind Systems\$Sales Shipment Line	9

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Decora Blind Systems\$Gen_Inl_Allocation	7
Decora Blind Systems\$Detailed Cust_Ledg_Entry	7
Decora Blind Systems\$Sales Line\$VSIFT\$3	6
Decora Blind Systems\$Value Entry	6
DecoraERP.Decora Blind Systems\$Analysis View	6
DecoraERP.Decora Blind Systems\$Sunwood Transfer Sheet	5
Decora Blind Systems\$Purchase Line\$VSIFT\$14	5
DecoraERP.Decora Blind Systems\$Warehouse Entry	5
DecoraERP.Decora Blind Systems\$Sales Header Archive	5
Decora Blind Systems\$Sales Line\$VSIFT\$1	5
Decora Blind Systems\$Sales Invoice Header	5
Decora Blind Systems\$Warehouse Journal Line	4
Decora Blind Systems\$Purchase Line	4
KEY:	3
Decora Blind Systems\$Avg_Cost Adjmt_Entry Point	3
Decora Blind Systems\$Cust_Ledger Entry	2
Decora Blind Systems\$Location	2
Decora Blind Systems\$Job Attachments	2
Decora Blind Systems\$Item Application Entry	2
Decora Blind Systems\$Sales Line\$VSIFT\$14	2
DecoraERP.Decora Blind Systems\$Document Dimension	2
Decora Blind Systems\$Ledger Entry Dimension	2
Decora Blind Systems\$Registered Whse_Activity Line	2
Decora Blind Systems\$Posted Document Dimension	1
Decora Blind Systems\$Sales Line\$VSIFT\$16	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT\$7	1
	8:00:00
Decora Blind Systems\$Value Entry\$VSIFT\$13	1
Decora Blind Systems\$Sales Analysis History	1
Decora Blind Systems\$Journal Line Dimension	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT\$6	1
sysobjvalues	1
Decora Blind Systems\$Warehouse Register	1
syschobjs	1
DecoraERP.Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT\$3	1
DecoraERP.Decora Blind Systems\$Warehouse Shipment Line	1
DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$3	1
DecoraERP.Decora Blind Systems\$Item Ledger Entry	1

Blocking user / Tables (top 5)	Blocks
HANNAHMCCANN	549
Decora Blind Systems\$No_Series Line	143
Decora Blind Systems\$Sales Header	120
DecoraERP.Decora Blind Systems\$Sales Header	119
Decora Blind Systems\$Sales Line	88
Decora Blind Systems\$G_L Entry	79
BOXBLIND	478
Decora Blind Systems\$G_L Entry	141
Decora Blind Systems\$Sales Line	137
Decora Blind Systems\$Warehouse Entry	108
Decora Blind Systems\$Sales Header Archive	46
Decora Blind Systems\$Sales Line\$VSIFT\$15	46
ZONE4	355
Decora Blind Systems\$G_L Entry	172
Decora Blind Systems\$Warehouse Shipment Header	89
Decora Blind Systems\$Analysis View	52
Decora Blind Systems\$Warehouse Entry	27
Decora Blind Systems\$Warehouse Comment Line	15
SA	323
Indexen	268
sysprivs	22
Decora Blind Systems\$Support Call Details	17
Decora Blind Systems\$Sales Header	14
8:00:00	1
Decora Blind Systems\$G_L Entry	1
ZONESAMPLES	260
Decora Blind Systems\$G_L Entry	144
Decora Blind Systems\$Analysis View	38
Decora Blind Systems\$Warehouse Entry	33
Decora Blind Systems\$Warehouse Comment Line	26
Decora Blind Systems\$Warehouse Shipment Header	19
ZONE1	232
Decora Blind Systems\$Warehouse Shipment Header	81
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Decora Blind Systems\$Analysis View	35
Decora Blind Systems\$Warehouse Entry	23
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Decora Blind Systems\$Warehouse Shipment Header	95
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Decora Blind Systems\$Analysis View	28
Decora Blind Systems\$Warehouse Comment Line	10
Decora Blind Systems\$Warehouse Activity Header	10
BWAREHOUSEZONE2B	198
Decora Blind Systems\$Warehouse Shipment Header	70
Decora Blind Systems\$G_L Entry	65
Decora Blind Systems\$Warehouse Comment Line	23
Decora Blind Systems\$Analysis View	22
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Decora Blind Systems\$G_L Entry	69
Decora Blind Systems\$Warehouse Shipment Header	52
Decora Blind Systems\$Warehouse Entry	26
Decora Blind Systems\$Warehouse Comment Line	21
Decora Blind Systems\$Sales Line	18
BWAREHOUSEZONE1A	175
Decora Blind Systems\$Warehouse Shipment Header	97
Decora Blind Systems\$G_L Entry	48
Decora Blind Systems\$Analysis View	15
Decora Blind Systems\$Warehouse Comment Line	11
Decora Blind Systems\$Warehouse Entry	4

Blocking user / Tables (top 5)	Blocks
KAROLINABUDASZ	170
Decora Blind Systems\$G_L Entry	94
Decora Blind Systems\$Warehouse Entry	28
Decora Blind Systems\$Reservation Entry	27
Decora Blind Systems\$PIanning Assignment	12
Decora Blind Systems\$Sales Line	9
K5-WS-DESPATCH	159
Decora Blind Systems\$Warehouse Shipment Header	105
Decora Blind Systems\$G_L Entry	29
Decora Blind Systems\$Analysis View	12
Decora Blind Systems\$Warehouse Comment Line	8
Indexen	5
ZONE3	110
Decora Blind Systems\$Warehouse Shipment Header	54
Decora Blind Systems\$G_L Entry	26
Decora Blind Systems\$Warehouse Entry	13
Decora Blind Systems\$Sales Line	10
Decora Blind Systems\$Analysis View	7
VANESSAKEARNEY	109
Decora Blind Systems\$G_L Entry	28
Decora Blind Systems\$Sales Line	27
Decora Blind Systems\$Warehouse Request	25
Decora Blind Systems\$Warehouse Shipment Line	15
Decora Blind Systems\$No_Series Line	14
DECORA\ADMINISTRATOR	106
Decora Blind Systems\$G_L Entry	51
Decora Blind Systems\$Item Ledger Entry	22
Hardware AM	13
Decora Blind Systems\$Sales Invoice Line	12
Decora Blind Systems\$Sales Shipment Line	8
SYSCO	101
Decora Blind Systems\$Support Call Details	39
Decora Blind Systems\$No_Series Line	26
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Decora Blind Systems\$Warehouse Activity Header	11
Decora Blind Systems\$G_L Entry	6
SHAUNLUCKIE	95
Decora Blind Systems\$No_Series Line	72
Decora Blind Systems\$Sales Line	13
Decora Blind Systems\$Sales Header Archive	4
Decora Blind Systems\$Document Dimension	4
Decora Blind Systems\$Fabric Transfer Sheet	2
K5KITTING01	94
Decora Blind Systems\$Sales Line	23
Decora Blind Systems\$Sales Line\$VSIFT\$15	22
Decora Blind Systems\$G_L Entry	20
Decora Blind Systems\$Sunwood Transfer Sheet	15
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Decora Blind Systems\$G_L Entry	42
Decora Blind Systems\$Analysis View	18
Decora Blind Systems\$Warehouse Shipment Header	10
Decora Blind Systems\$Warehouse Entry	9
Decora Blind Systems\$Warehouse Comment Line	8
GOODSINPICKS	69
Decora Blind Systems\$Warehouse Shipment Header	38
Decora Blind Systems\$No_Series Line	16
Decora Blind Systems\$G_L Entry	8
Decora Blind Systems\$Analysis View	5
Decora Blind Systems\$Warehouse Comment Line	2

Blocking user / Tables (top 5)	Blocks
KAMILAKOLASINSKA	59
Decora Blind Systems\$G_L Entry	34
DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$0	8
Decora Blind Systems\$Sales Header	6
Decora Blind Systems\$Analysis View	6
Decora Blind Systems\$No_Series Line	5
CHRISWYLIE	54
Decora Blind Systems\$No_Series Line	28
Decora Blind Systems\$Sales Header Archive	13
Decora Blind Systems\$Sales Line	5
Decora Blind Systems\$Warehouse Entry	2
Decora Blind Systems\$Warehouse Comment Line	2
Decora Blind Systems\$Location	2
Decora Blind Systems\$Sales Line\$VSIFT\$14	2
DAVIDIRWIN	49
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Decora Blind Systems\$Navimail Entry	2
GEOFFREYABERNETHY	48
Decora Blind Systems\$G_L Entry	25
Decora Blind Systems\$Analysis View	10
Decora Blind Systems\$Warehouse Entry	6
Decora Blind Systems\$Sales Line	3
Decora Blind Systems\$Warehouse Shipment Line	2
Decora Blind Systems\$Warehouse Comment Line	2
HEATHERASHE	42
Decora Blind Systems\$G_L Entry	34
Decora Blind Systems\$Analysis View	7
Decora Blind Systems\$Gen_Jnl_Allocation	1
SIMONHOUSTON	39
Decora Blind Systems\$G_L Entry	22
Decora Blind Systems\$Warehouse Comment Line	6
Decora Blind Systems\$Warehouse Entry	5
Decora Blind Systems\$Analysis View	3
Decora Blind Systems\$Warehouse Request	1
Decora Blind Systems\$Whse_Item Tracking Line	1
Decora Blind Systems\$Item Journal Line	1
ANDREWBELSHAW	33
Decora Blind Systems\$G_L Entry	10
Decora Blind Systems\$Item Journal Line	10
Decora Blind Systems\$Document Dimension	5
Decora Blind Systems\$Warehouse Entry	2
Decora Blind Systems\$Sales Line	2
Decora Blind Systems\$Reservation Entry	2
Decora Blind Systems\$No_Series Line	2
ANDREACUMMINGS	32
Decora Blind Systems\$No_Series Line	14
Decora Blind Systems\$G_L Entry	13
Decora Blind Systems\$Warehouse Shipment Line	3
Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Warehouse Request	1
JASONTAGGART	29
Decora Blind Systems\$G_L Entry	12
Decora Blind Systems\$Whse_Worksheet Line	6
Decora Blind Systems\$Warehouse Comment Line	4
Decora Blind Systems\$Whse_Item Tracking Line	4
Decora Blind Systems\$Whse_Pick Request	3

Blocking user / Tables (top 5)	Blocks
CURTISMENICE	27
Decora Blind Systems\$Warehouse Request	8
Decora Blind Systems\$Document Dimension	6
Decora Blind Systems\$Sales Line	4
Decora Blind Systems\$Sales Line\$VSIFT\$1	3
Decora Blind Systems\$G_L Entry	2
Decora Blind Systems\$Whse_Pick Request	2
Decora Blind Systems\$No_Series Line	2
DECORA\WEBPORTAL	26
Decora Blind Systems\$No_Series Line	12
Decora Blind Systems\$Sales Line	7
Decora Blind Systems\$Warehouse Shipment Line	3
(blank)	2
Decora Blind Systems\$Sales Header Archive	2
ROBERTMCCARTNEY	24
Decora Blind Systems\$G_L Entry	7
Decora Blind Systems\$Warehouse Entry	4
Decora Blind Systems\$No_Series Line	4
Decora Blind Systems\$Reservation Entry	2
Decora Blind Systems\$Whse_Worksheet Line	1
Decora Blind Systems\$Purchase Line	1
Decora Blind Systems\$Item Journal Line	1
Decora Blind Systems\$Document Dimension	1
Decora Blind Systems\$Analysis View	1
Decora Blind Systems\$Detailed Cust_Ledg_Entry	1
Decora Blind Systems\$Planning Assignment	1
NAV_REPORTING	22
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KEY:	3
BWAREHOUSEGOODSIN	20
Decora Blind Systems\$G_L Entry	9
Decora Blind Systems\$Analysis View	3
Decora Blind Systems\$Whse_Item Tracking Line	2
Decora Blind Systems\$Warehouse Request	1
Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Warehouse Activity Line	1
Decora Blind Systems\$Whse_Worksheet Line	1
Decora Blind Systems\$Warehouse Comment Line	1
Decora Blind Systems\$Warehouse Entry	1
GOODSINW2	18
Decora Blind Systems\$G_L Entry	7
Decora Blind Systems\$Warehouse Comment Line	4
Decora Blind Systems\$Fabric Transfer Sheet	1
Decora Blind Systems\$Analysis View	1
Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Whse_Worksheet Line	1
DecoraERP.Decora Blind Systems\$Warehouse Entry	1
Decora Blind Systems\$Sales Header Archive	1
Decora Blind Systems\$Sales Line	1
LAURAMCMULLEN	17
Decora Blind Systems\$Warehouse Entry	7
Decora Blind Systems\$G_L Entry	6
Decora Blind Systems\$Warehouse Comment Line	2
Decora Blind Systems\$Sales Line	1
Decora Blind Systems\$Warehouse Activity Line	1

Blocking user / Tables (top 5)	Blocks	Blocking user / Tables (top 5)	Blocks
K5-SUNKITTING	17	LEANNELINDSAY	9
Decora Blind Systems\$G_L Entry	5	Decora Blind Systems\$G_L Entry	6
Decora Blind Systems\$Warehouse Entry	3	Decora Blind Systems\$Detailed Cust_Ledg_Entry	2
Decora Blind Systems\$Sales Line	3	Decora Blind Systems\$Sales Line\$VSIFT\$15	1
Decora Blind Systems\$Sales Line\$VSIFT\$15	2	LOUISEGIBSON	7
Decora Blind Systems\$No_Series Line	2	Decora Blind Systems\$Sales Header	3
Decora Blind Systems\$Sunwood Transfer Sheet	2	Decora Blind Systems\$Navimail Entry	2
AARONRAINEY	16	Decora Blind Systems\$Cust_Ledger Entry	1
Decora Blind Systems\$Navimail Entry	15	Decora Blind Systems\$No_Series Line	1
Decora Blind Systems\$Warehouse Shipment Header	1	SIRETSULTS	6
GAVINBECK	15	Indexen	6
Decora Blind Systems\$Warehouse Entry	3	ALANHANNA	6
Decora Blind Systems\$Sales Line	3	Decora Blind Systems\$G_L Entry	6
Decora Blind Systems\$G_L Entry	3	MARCINPERON	5
Decora Blind Systems\$Analysis View	2	Decora Blind Systems\$Warehouse Register	1
Decora Blind Systems\$No_Series Line	1	Decora Blind Systems\$Sales Invoice Line	1
Decora Blind Systems\$Warehouse Shipment Line	1	Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Sunwood Transfer Sheet	1	Decora Blind Systems\$Value Entry	1
Decora Blind Systems\$Sales Header Archive	1	Decora Blind Systems\$Warehouse Entry	1
IRENEMATHERS	15	DAVIDGRICE	5
Decora Blind Systems\$G_L Entry	14	Decora Blind Systems\$Warehouse Journal Line	2
Decora Blind Systems\$Warehouse Entry	1	Decora Blind Systems\$Warehouse Entry	2
NAOMIGWYNNE	14	Decora Blind Systems\$Analysis View	1
Decora Blind Systems\$Warehouse Request	7	HEATHERWATSON	5
Decora Blind Systems\$Warehouse Shipment Line	1	Decora Blind Systems\$Sales Line	4
Decora Blind Systems\$Sales Line\$VSIFT\$3	1	Decora Blind Systems\$Sales Header	1
Decora Blind Systems\$No_Series Line	1	BRIANSIMPSON	4
Decora Blind Systems\$Warehouse Shipment Header	1	Decora Blind Systems\$Navimail Entry	4
Decora Blind Systems\$Sales Line	1	NEALCONNOR	4
Decora Blind Systems\$G_L Entry	1	Decora Blind Systems\$Document Dimension	3
Decora Blind Systems\$Sales Line\$VSIFT\$1	1	Decora Blind Systems\$G_L Entry	1
LEEANNETORBIT	12	NATALIESTINTON	4
Decora Blind Systems\$G_L Entry	7	Decora Blind Systems\$Warehouse Shipment Header	4
Decora Blind Systems\$Analysis View	4	KARENGALBRAITH	4
Decora Blind Systems\$Sales Line\$VSIFT\$15	1	Decora Blind Systems\$G_L Entry	4
JANEFOX	12	MARGARETGREEN	3
Decora Blind Systems\$Sales Line	4	Decora Blind Systems\$Warehouse Shipment Line	2
Decora Blind Systems\$G_L Entry	3	Decora Blind Systems\$No_Series Line	1
Decora Blind Systems\$Warehouse Request	2	VIKTORSMETANIN	2
Decora Blind Systems\$Warehouse Shipment Header	1	Decora Blind Systems\$Warehouse Shipment Line	1
Decora Blind Systems\$Cust_Ledger Entry	1	Decora Blind Systems\$G_L Entry	1
Decora Blind Systems\$Warehouse Comment Line	1	DEANMAYES	2
ANDREWBINGHAM	11	(blank)	1
Decora Blind Systems\$Warehouse Request	3	Decora Blind Systems\$Analysis View	1
Decora Blind Systems\$G_L Entry	3	CATHERINEKEEGAN	2
Decora Blind Systems\$Purchase Line\$VSIFT\$14	2	Decora Blind Systems\$Navimail Entry	1
Decora Blind Systems\$Whse_Pick Request	1	Decora Blind Systems\$Job Attachments	1
Decora Blind Systems\$Warehouse Entry	1	JULIECAMPBELL	2
Decora Blind Systems\$Warehouse Comment Line	1	Decora Blind Systems\$Navimail Entry	2
RAYMONDSYMT1	9	SYLVIAWILSON	2
Decora Blind Systems\$G_L Entry	4	Decora Blind Systems\$Warehouse Shipment Line	1
Decora Blind Systems\$Warehouse Entry	3	Decora Blind Systems\$Sales Header	1
Decora Blind Systems\$Warehouse Comment Line	1	MINDAUGASKUTKEVICIUS	2
Decora Blind Systems\$Sales Line	1	Decora Blind Systems\$G_L Entry	2
KATARZYNAROGATKA	9	OWENWILSON	2
Decora Blind Systems\$G_L Entry	4	Decora Blind Systems\$Warehouse Entry	1
Decora Blind Systems\$Warehouse Entry	3	Decora Blind Systems\$Analysis View	1
Decora Blind Systems\$Item Journal Line	2	JACEKJACKOWSKA	2
		Indexen	2

Blocking user / Tables (top 5)	Blocks
DAVIDSMYLIE	2
Decora Blind Systems\$G_L Entry	1
Decora Blind Systems\$Analysis View	1
DALECAMPBELL	2
Decora Blind Systems\$Sales Header	2
AMANDABOAL	2
Decora Blind Systems\$Sales Header	1
Decora Blind Systems\$G_L Entry	1
MATTHEWGASTON	1
Decora Blind Systems\$Warehouse Request	1
JUSTINEBLACK	1
(blank)	1
WILLIAMOLIVER	1
Decora Blind Systems\$Navimail Entry	1
MIKEWILLIAMS	1
(blank)	1
PAULMOLLOY	1
Decora Blind Systems\$Document Dimension	1
CLARKESTEVENS	1
Decora Blind Systems\$Navimail Entry	1
GOODSIN	1
Decora Blind Systems\$Warehouse Shipment Header	1
GARYHYNDS	1
Decora Blind Systems\$Job Attachments	1
DECORA\CHRISWYLIE	1
Decora Blind Systems\$Item Ledger Entry	1
JILLMEEKE	1
Decora Blind Systems\$Navimail Entry	1

Blocking Tables / Blocking Users (top 5)	Blocks	Blocking Tables / Blocking Users (top 5)	Blocks
Decora Blind Systems\$G_L Entry	709	Decora Blind Systems\$Sales Line\$VSIFT\$15	78
ZONE4	172	BOXBLIND	46
ZONESAMPLES	144	K5KITTING01	22
BOXBLIND	141	HANNAHMCCANN	5
KAROLINABUDASZ	94	BWAREHOUSEZONE2B	3
ZONE1	79	K5-SUNKITTING	2
HANNAHMCCANN	79	Decora Blind Systems\$Sunwood Transfer Sheet	68
Decora Blind Systems\$Warehouse Shipment Header	467	BOXBLIND	43
K5-WS-DESPATCH	105	K5KITTING01	15
BWAREHOUSEZONE1A	97	HANNAHMCCANN	6
BWAREHOUSEZONE1B	95	K5-SUNKITTING	2
ZONE4	89	GAVINBECK	1
ZONE1	81	GEOFFREYABERNETHY	1
Indexen	345	Decora Blind Systems\$Document Dimension	65
SA	268	BOXBLIND	31
DAVIDIRWIN	47	HANNAHMCCANN	8
SYSCO	19	CURTISMENICE	6
SIRETSULTS	6	ZONE1	5
K5-WS-DESPATCH	5	ZONE2	5
Decora Blind Systems\$No_Series Line	297	ANDREWBELSHAW	5
HANNAHMCCANN	143	K5KITTING01	5
SHAUNLUCKIE	72	Decora Blind Systems\$Support Call Details	56
CHRISWYLIE	28	SYSCO	39
BOXBLIND	28	SA	17
SYSCO	26	Decora Blind Systems\$Warehouse Request	46
Decora Blind Systems\$Sales Line	293	VANESSAKEARNEY	25
BOXBLIND	137	CURTISMENICE	8
HANNAHMCCANN	88	NAOMIGWYNNE	7
VANESSAKEARNEY	27	ANDREWBINGHAM	3
K5KITTING01	23	HANNAHMCCANN	3
ZONE2	18	Decora Blind Systems\$Item Ledger Entry	39
Decora Blind Systems\$Warehouse Entry	222	DECORA\ADMINISTRATOR	22
BOXBLIND	108	BOXBLIND	6
ZONESAMPLES	33	HANNAHMCCANN	2
KAROLINABUDASZ	28	ZONE4	1
ZONE4	27	ZONE2	1
ZONE2	26	BWAREHOUSEZONE1A	1
Decora Blind Systems\$Analysis View	175	DECORA\CHRISWYLIE	1
ZONE4	52	ZONE3	1
ZONESAMPLES	38	BWAREHOUSEZONE1B	1
ZONE1	35	ZONESAMPLES	1
BWAREHOUSEZONE1B	28	K5-WS-DESPATCH	1
BWAREHOUSEZONE2B	22	KAROLINABUDASZ	1
Decora Blind Systems\$Warehouse Comment Line	155	DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$0	38
HANNAHMCCANN	55	HANNAHMCCANN	30
BOXBLIND	30	KAMILAKOLASINSKA	8
ZONESAMPLES	26	Decora Blind Systems\$Sales Line\$VSIFT\$0	38
BWAREHOUSEZONE2B	23	HANNAHMCCANN	34
ZONE2	21	KAMILAKOLASINSKA	4
Decora Blind Systems\$Sales Header	152	Decora Blind Systems\$Reservation Entry	31
HANNAHMCCANN	120	KAROLINABUDASZ	27
SA	14	ROBERTMCCARTNEY	2
BOXBLIND	8	ANDREWBELSHAW	2
KAMILAKOLASINSKA	6	Decora Blind Systems\$Item	31
ZONE3	4	NAV_REPORTING	22
Decora Blind Systems\$Sales Header Archive	126	BOXBLIND	3
HANNAHMCCANN	48	KAROLINABUDASZ	2
BOXBLIND	46	DECORA\ADMINISTRATOR	2
K5KITTING01	14	HANNAHMCCANN	2
CHRISWYLIE	13		
ZONE1	5		
DecoraERP.Decora Blind Systems\$Sales Header	121		
HANNAHMCCANN	119		
KAMILAKOLASINSKA	2		

Blocking Tables / Blocking Users (top 5)	Blocks	Blocking Tables / Blocking Users (top 5)	Blocks
Decora Blind Systems\$Warehouse Activity Header	29	(blank)	18
SYSCO	11	KAROLINABUDASZ	2
BWAREHOUSEZONE1B	10	KAMILAKOLASINSKA	2
BWAREHOUSEZONE2B	6	DECORA\WEBPORTAL	2
ZONESAMPLES	1	HANNAHMCCANN	2
BWAREHOUSEZONE1A	1	ZONE1	1
Decora Blind Systems\$Navimail Entry	29	BWAREHOUSEZONE2A	1
AARONRAINEY	15	DEANMAYES	1
DECORA\ADMINISTRATOR	4	ZONE2	1
BRIANSIMPSON	4	MIKEWILLIAMS	1
JULIECAMPBELL	2	ZONE4	1
LOUISEGIBSON	2	GEOFFREYABERNETHY	1
DAVIDIRWIN	2	K5-WS-DESPATCH	1
Decora Blind Systems\$Whse_ Worksheet Line	25	BOXBLIND	1
ZONE2	14	JUSTINEBLACK	1
JASONTAGGART	6	Decora Blind Systems\$Fabric Transfer Sheet	16
BWAREHOUSEZONE2B	2	ZONE1	6
ROBERTMCCARTNEY	1	HANNAHMCCANN	4
BWAREHOUSEGOODSIN	1	ZONE2	2
GOODSINW2	1	SHAUNLUCKIE	2
Decora Blind Systems\$Warehouse Shipment Line	25	BOXBLIND	1
VANESSAKEARNEY	15	GOODSINW2	1
ANDREACUMMINGS	3	Decora Blind Systems\$Planning Assignment	14
DECORA\WEBPORTAL	3	KAROLINABUDASZ	12
MARGARETGREEN	2	ROBERTMCCARTNEY	1
GEOFFREYABERNETHY	2	ANDREWBELSHAW	1
Decora Blind Systems\$Whse_ Item Tracking Line	24	DecoraERP.Decora Blind Systems\$Sales Line	14
ZONE2	9	BOXBLIND	6
BWAREHOUSEZONE2B	5	KAMILAKOLASINSKA	4
JASONTAGGART	4	K5KITTING01	3
BWAREHOUSEGOODSIN	2	ZONE1	1
BWAREHOUSEZONE1B	1	Hardware AM	13
ZONE4	1	DECORA\ADMINISTRATOR	13
SIMONHOUSTON	1	Decora Blind Systems\$Sales Invoice Line	13
SYSCO	1	DECORA\ADMINISTRATOR	12
Decora Blind Systems\$Whse_ Pick Request	23	MARCINPERON	1
HANNAHMCCANN	8	DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$15	10
ZONE2	4	HANNAHMCCANN	4
ZONESAMPLES	4	K5KITTING01	3
JASONTAGGART	3	BOXBLIND	3
CURTISMENICE	2	DecoraERP.Decora Blind Systems\$G_L Entry	10
BWAREHOUSEZONE2B	2	HANNAHMCCANN	2
sysprivs	22	BOXBLIND	2
SA	22	KAMILAKOLASINSKA	2
TAB:	20	ZONE4	1
BLINDATA	18	VANESSAKEARNEY	1
DECORA\ADMINISTRATOR	2	K5KITTING01	1
Decora Blind Systems\$Item Journal Line	19	KAROLINABUDASZ	1
ANDREWBELSHAW	10	Decora Blind Systems\$Sales Shipment Line	9
KAROLINABUDASZ	5	DECORA\ADMINISTRATOR	8
KATARZYNAROGATKA	2	CHRISWYLIE	1
SIMONHOUSTON	1	Decora Blind Systems\$Gen_ Jnl_ Allocation	7
ROBERTMCCARTNEY	1	VANESSAKEARNEY	3
Decora Blind Systems\$Warehouse Activity Line	18	KAROLINABUDASZ	3
HANNAHMCCANN	4	HEATHERASHE	1
BWAREHOUSEZONE1B	3	Decora Blind Systems\$Detailed Cust_ Ledg_ Entry	7
BOXBLIND	3	K5KITTING01	2
ZONE2	2	LEANNELINDSAY	2
SYSCO	2	HANNAHMCCANN	1
BWAREHOUSEZONE2B	2	VANESSAKEARNEY	1
KAROLINABUDASZ	2	ROBERTMCCARTNEY	1

Blocking Tables / Blocking Users (top 5)	Blocks
Decora Blind Systems\$Sales Line\$VSIFT\$3	6
HANNAHMCCANN	3
BOXBLIND	1
ZONE1	1
NAOMIGWYNNE	1
Decora Blind Systems\$Value Entry	6
BOXBLIND	4
MARCINPERON	1
DECORA\ADMINISTRATOR	1
DecoraERP.Decora Blind Systems\$Analysis View	6
KSKITTING01	2
BOXBLIND	1
ZONE4	1
GEOFFREYABERNETHY	1
HANNAHMCCANN	1
DecoraERP.Decora Blind Systems\$Sunwood Transfer Sheet	5
BOXBLIND	4
K5-SUNKITTING	1
Decora Blind Systems\$Purchase Line\$VSIFT\$14	5
KAROLINABUDASZ	3
ANDREWBINGHAM	2
DecoraERP.Decora Blind Systems\$Warehouse Entry	5
BOXBLIND	2
GOODSINW2	1
KAROLINABUDASZ	1
BWAREHOUSEZONE2A	1
DecoraERP.Decora Blind Systems\$Sales Header Archive	5
BOXBLIND	4
ZONE1	1
Decora Blind Systems\$Sales Line\$VSIFT\$1	5
CURTISMENICE	3
ZONE1	1
NAOMIGWYNNE	1
Decora Blind Systems\$Sales Invoice Header	5
HANNAHMCCANN	3
DECORA\ADMINISTRATOR	2
Decora Blind Systems\$Warehouse Journal Line	4
DAVIDGRICE	2
ZONESAMPLES	1
BWAREHOUSEZONE1A	1
Decora Blind Systems\$Purchase Line	4
DECORA\ADMINISTRATOR	3
ROBERTMCCARTNEY	1
KEY:	3
BLINDATA	3
Decora Blind Systems\$Avg_Cost Adjmt_Entry Point	3
DECORA\ADMINISTRATOR	3
Decora Blind Systems\$Cust_Ledger Entry	2
LOUISEGIBSON	1
JANEFOX	1
Decora Blind Systems\$Location	2
CHRISWYLIE	2
Decora Blind Systems\$Job Attachments	2
GARYHYNDS	1
CATHERINEKEEGAN	1
Decora Blind Systems\$Item Application Entry	2
BOXBLIND	2
Decora Blind Systems\$Sales Line\$VSIFT\$14	2
CHRISWYLIE	2
DecoraERP.Decora Blind Systems\$Document Dimension	2
BOXBLIND	2
Decora Blind Systems\$Ledger Entry Dimension	2
DECORA\ADMINISTRATOR	2

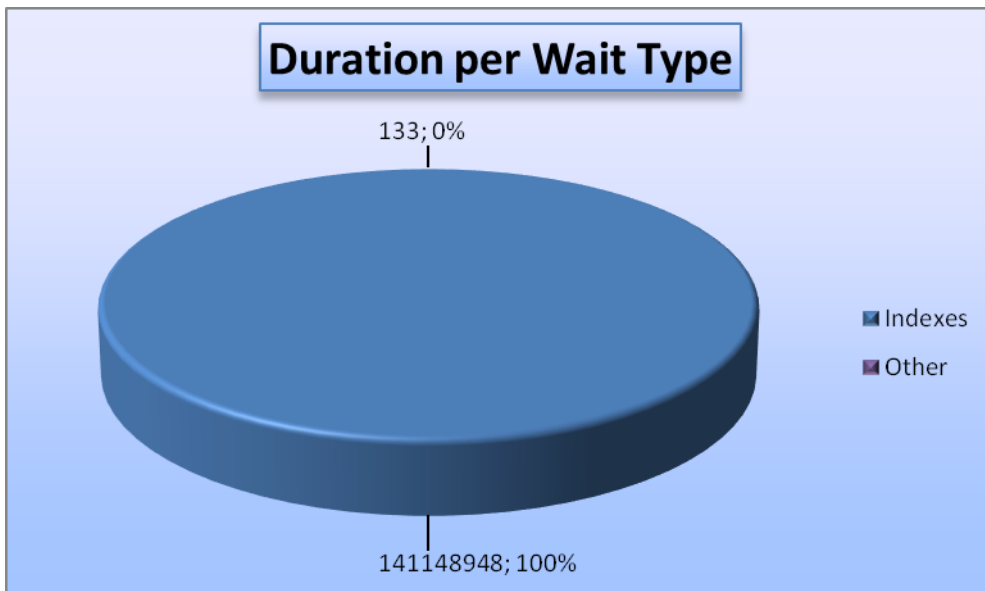
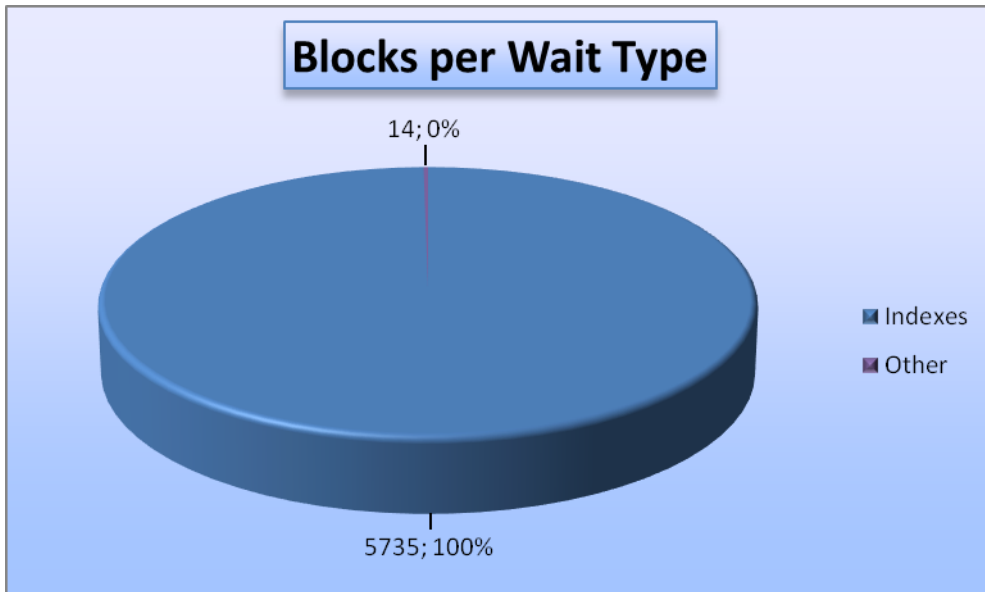
Blocking Tables / Blocking Users (top 5)	Blocks
Decora Blind Systems\$Registered Whse_Activity Line	2
DECORA\ADMINISTRATOR	2
Decora Blind Systems\$Posted Document Dimension	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Sales Line\$VSIFT\$16	1
CHRISWYLIE	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT\$7	1
BOXBLIND	1
8:00:00	1
SA	1
Decora Blind Systems\$Value Entry\$VSIFT\$13	1
BOXBLIND	1
Decora Blind Systems\$Sales Analysis History	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Journal Line Dimension	1
ANDREWBELSHAW	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT\$6	1
BOXBLIND	1
sysobjvalues	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Warehouse Register	1
MARCINPERON	1
syssschobjs	1
CHRISWYLIE	1
DecoraERP.Decora Blind Systems\$Warehouse Shipment Header	1
BWAREHOUSEZONE2B	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT\$3	1
BOXBLIND	1
DecoraERP.Decora Blind Systems\$Warehouse Shipment Line	1
BWAREHOUSEZONE2B	1
DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$3	1
HANNAHMCCANN	1
DecoraERP.Decora Blind Systems\$Item Ledger Entry	1
KAROLINABUDASZ	1

Blocking Tables / Blocked Users (top 5)	Blocks	Blocking Tables / Blocked Users (top 5)	Blocks
Decora Blind Systems\$G_L Entry	562	Decora Blind Systems\$Sales Header	67
ZONE4	138	ZONE4	11
HANNAHMCCANN	127	BWAREHOUSEZONE2B	11
KAMILAKOLASINSKA	114	DECORA\WEBPORTAL	11
ZONE1	110	NEALCONNOR	10
ZONE2	73	SIRETSULTS	8
Decora Blind Systems\$Warehouse Shipment Header	375	DECORA\ADMINISTRATOR	8
ZONE1	103	NATALIESTINTON	8
ZONE4	81	Decora Blind Systems\$Sales Line\$VSIFT\$15	61
BWAREHOUSEZONE2B	67	KAMILAKOLASINSKA	16
ZONESAMPLES	63	JACEKJACKOWSKA	16
ZONE2	61	BWAREHOUSEZONE2A	8
Decora Blind Systems\$Warehouse Entry	180	JILLMEEKE	6
ZONE4	50	BWAREHOUSEZONE2B	5
ZONE1	43	ZONE2	5
ZONESAMPLES	36	LOUISEGIBSON	5
ZONE2	26	Decora Blind Systems\$Document Dimension	38
BWAREHOUSEZONE1B	25	DECORA\WEBPORTAL	10
Decora Blind Systems\$No_Series Line	172	CURTISMENICE	8
DECORA\WEBPORTAL	100	SIRETSULTS	7
MARGARETGREEN	22	NATALIESTINTON	7
SIRETSULTS	18	NEALCONNOR	6
CURTISMENICE	16	Decora Blind Systems\$Item	32
KIRSTYLYNESS	16	SYSCO	10
Decora Blind Systems\$Sales Line	157	PAULAKYDD	10
BOXBLIND	45	DECORA\ADMINISTRATOR	8
DECORA\WEBPORTAL	39	LOISGREENFIELD	2
JACEKJACKOWSKA	32	NAV_REPORTING	1
LOUISEGIBSON	21	BOXBLIND	1
ZONE4	20	Decora Blind Systems\$Item Ledger Entry	30
Decora Blind Systems\$Warehouse Comment Line	141	BOXBLIND	9
ZONE1	40	KAROLINABUDASZ	7
ZONE4	26	KATARZYNAROGATKA	6
BWAREHOUSEZONE1B	26	MARCINPERON	4
ZONESAMPLES	25	KAMILAKOLASINSKA	4
ZONE2	24	Decora Blind Systems\$Warehouse Request	29
Decora Blind Systems\$Analysis View	130	ZONE1	6
ZONE4	39	SIRETSULTS	5
KAMILAKOLASINSKA	29	SYLVIAWILSON	5
BOXBLIND	21	BWAREHOUSEZONE1A	5
ZONE1	21	DEANMAYES	4
BWAREHOUSEZONE1B	20	MARGARETGREEN	4
Indexen	99	DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$0	28
DECORA\WEBPORTAL	17	ROSIEBELSHAW	8
SIRETSULTS	15	SYLVIAWILSON	8
VANESSAKEARNEY	11	CURTISMENICE	6
BOXBLIND	11	DALECAMPBELL	3
ZONE2	9	HAZELMCGARRELL	3
DECORA\ADMINISTRATOR	9	Decora Blind Systems\$Whse_Pick Request	25
BWAREHOUSEZONE2B	9	BWAREHOUSEZONE2B	6
KAMILAKOLASINSKA	9	ZONE4	6
JANEFOX	9	BWAREHOUSEZONE1B	5
DecoraERP.Decora Blind Systems\$Sales Header	70	ZONE2	4
BWAREHOUSEZONE2B	18	ZONE1	2
DECORA\WEBPORTAL	18	GOODSINPICKS	2
SIRETSULTS	12	Decora Blind Systems\$Sales Line\$VSIFT\$0	25
NATALIESTINTON	12	SYLVIAWILSON	7
ZONE1	10	DECORA\WEBPORTAL	5
Decora Blind Systems\$Sunwood Transfer Sheet	68	NEALCONNOR	5
BOXBLIND	59	DEBORAHCAIRNS	4
K5KITTING01	6	ROSIEBELSHAW	4
K5-SUNKITTING	2		
DAVIDSMYLIE	1		
Decora Blind Systems\$Sales Header Archive	67		
DECORA\WEBPORTAL	21		
NEALCONNOR	16		
MINDAUGASKUTKEVICIUS	12		
DEANMAYES	9		
CURTISMENICE	9		

Blocking Tables / Blocked Users (top 5)	Blocks	Blocking Tables / Blocked Users (top 5)	Blocks
Decora Blind Systems\$Whse_Item Tracking Line	24	Decora Blind Systems\$Warehouse Shipment Line	18
ZONE4	6	DEANMAYES	6
ZONE1	5	DECORA\WEBPORTAL	4
OWENWILSON	2	SYLVIAWILSON	2
JASONTAGGART	2	SIRETSULTS	2
ZONE2	1	DECORA\ADMINISTRATOR	2
SIRETSULTS	1	MARGARETGREEN	2
ROBERTMCCARTNEY	1	Decora Blind Systems\$Whse_Worksheet Line	18
BWAREHOUSEZONE1A	1	BWAREHOUSEZONE1A	4
DAVIDGRICE	1	ZONE2	4
BWAREHOUSEGOODSIN	1	BWAREHOUSEGOODSIN	4
GOODSINPICKS	1	ZONE4	2
BWAREHOUSEZONE2B	1	JASONTAGGART	2
KAROLINABUDASZ	1	GAVINBECK	2
Decora Blind Systems\$Reservation Entry	23	Decora Blind Systems\$Fabric Transfer Sheet	16
ROLLERSKA	8	ZONE2	12
HANNAHMCCANN	6	ZONE1	4
HEATHERASHE	3	Decora Blind Systems\$Navimail Entry	16
ANDREWBRINGHAM	2	JACEKJACKOWSKA	4
ZONE1	2	LINDAFLANAGAN	3
SUNWOODKA	2	JULIECAMPBELL	3
sysprivs	22	DEANMAYES	3
ZONE1	2	CATHERINEKEEGAN	3
ROSIEBELSHAW	1	Decora Blind Systems\$Planning Assignment	14
LYNSAYMCAULEY	1	DECORA\WEBPORTAL	5
ANNANIEZGODZKA	1	DEBORAHCAIRNS	2
BWAREHOUSEZONE1B	1	CURTISMENICE	1
NAOMIGWYNNE	1	ROSIEBELSHAW	1
DECORA\CHRISWYLIE	1	SIMONHOUSTON	1
ZONE4	1	SIRETSULTS	1
DECORA\WEBPORTAL	1	VANESSAKEARNEY	1
LISACRAIG	1	LISAMOORE	1
GEOFFREYABERNETHY	1	OWENWILSON	1
MARGARETGREEN	1	DecoraERP.Decora Blind Systems\$Sales Line	14
HAZELMCGARRELL	1	SYLVIAWILSON	4
OWENWILSON	1	LOUISEGIBSON	2
JANEFOX	1	SIMONHOUSTON	1
BOXBLIND	1	ZONE2	1
SIRETSULTS	1	HANNAHMCCANN	1
JULIECAMPBELL	1	ZONE3	1
ZONESAMPLES	1	JILLMEEKE	1
KAMILAKOLASINSKA	1	ZONE4	1
LEEANNETORBIT	1	CURTISMENICE	1
Decora Blind Systems\$Warehouse Activity Header	22	NEALCONNOR	1
BWAREHOUSEZONE1A	5	Decora Blind Systems\$Sales Invoice Line	13
BWAREHOUSEZONE2B	5	PAULAKYDD	10
ZONE4	3	DECORA\ADMINISTRATOR	3
BWAREHOUSEZONE1B	3	Hardware AM	13
ZONE2	2	DECORA\ADMINISTRATOR	13
DAVIDSMYLIE	2	Decora Blind Systems\$Warehouse Activity Line	13
DAVIDGRICE	2	ZONE1	4
TAB:	20	ZONE4	3
SYSOCO	20	ZONE3	2
Decora Blind Systems\$Item Journal Line	19	JASONTAGGART	2
KATARZYNNAROGATKA	11	ZONE2	2
ROBERTMCCARTNEY	4	Decora Blind Systems\$Support Call Details	13
KAROLINABUDASZ	3	JANEFOX	3
SIMONHOUSTON	1	ROBERTMCCARTNEY	2
(blank)	18	NEALCONNOR	2
KAROLINABUDASZ	2	LOUISECARSON	2
KAMILAKOLASINSKA	2	ZONE1	2
DECORA\WEBPORTAL	2	NAV_REPORTING	2
HANNAHMCCANN	2	DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT\$15	10
ZONE1	1	KAMILAKOLASINSKA	4
BWAREHOUSEZONE2A	1	BWAREHOUSEZONE2A	2
DEANMAYES	1	LISACRAIG	1
ZONE2	1	ZONE2	1
MIKEWILLIAMS	1	BWAREHOUSEZONE1B	1
ZONE4	1	DEANMAYES	1
GEOFFREYABERNETHY	1		
K5-WS-DESPATCH	1		
BOXBLIND	1		
JUSTINEBLACK	1		

Blocking Tables / Blocked Users (top 5)	Blocks
DecoraERP.Decora Blind Systems\$G_L Entry	10
HANNAHMCCANN	2
BWAREHOUSEZONE1A	1
GEOFFREYABERNETHY	1
KAROLINABUDASZ	1
ROBERTMCCARTNEY	1
SIMONHOUSTON	1
ZONE4	1
HEATHERASHE	1
JASONTAGGART	1
Decora Blind Systems\$Sales Shipment Line	9
PAULAKYDD	5
DECORA\ADMINISTRATOR	3
LEANNELINDSAY	1
Decora Blind Systems\$Gen_Inl_Allocation	7
HEATHERASHE	3
KARENGALBRAITH	2
VANESSAKEARNEY	1
AMANDABOAL	1
Decora Blind Systems\$Detailed Cust_Ledg_Entry	7
JANEFOX	3
KARENGALBRAITH	2
ANDREACUMMINGS	2
Decora Blind Systems\$Sales Line\$VSIFT3	6
KAROLINABUDASZ	2
MARGARETGREEN	2
ROSIEBELSHAW	1
NEALCONNOR	1
Decora Blind Systems\$Value Entry	6
DECORA\ADMINISTRATOR	6
DecoraERP.Decora Blind Systems\$Analysis View	6
HEATHERASHE	2
ZONE3	1
ZONE4	1
KAMILAKOLASINSKA	1
ZONE2	1
DecoraERP.Decora Blind Systems\$Sunwood Transfer Sheet	5
BOXBLIND	3
K5KITTING01	2
Decora Blind Systems\$Purchase Line\$VSIFT14	5
LAURAMCMULLEN	1
EMMAGIBSON	1
MATTHEWGASTON	1
HEATHERASHE	1
KAMILAKOLASINSKA	1
DecoraERP.Decora Blind Systems\$Warehouse Entry	5
ZONE1	2
BWAREHOUSEZONE2A	1
ZONE4	1
ZONE2	1
DecoraERP.Decora Blind Systems\$Sales Header Archive	5
CURTISMENICE	2
SIRETSULTS	1
WILLIAMOLIVER	1
DEANMAYES	1
Decora Blind Systems\$Sales Line\$VSIFT1	5
NEALCONNOR	2
SYLVIAWILSON	1
DEANMAYES	1
NATALIESTINTON	1
Decora Blind Systems\$Sales Invoice Header	5
HANNAHMCCANN	3
PAULAKYDD	2
Decora Blind Systems\$Warehouse Journal Line	4
DECORA\ADMINISTRATOR	2
OWENWILSON	1
DAVIDGRICE	1
Decora Blind Systems\$Purchase Line	4
SYSCO	3
CLAIREMASON	1

Blocking Tables / Blocked Users (top 5)	Blocks
KEY:	3
SYSCO	3
Decora Blind Systems\$Avg_Cost Adjmt_Entry Point	3
DECORA\ADMINISTRATOR	3
Decora Blind Systems\$Cust_Ledger Entry	2
ANDREACUMMINGS	2
Decora Blind Systems\$Location	2
DECORA\ADMINISTRATOR	1
CHRISWYLIE	1
Decora Blind Systems\$Job Attachments	2
PAULAKYDD	1
DAVIDBROWNLEE	1
Decora Blind Systems\$Item Application Entry	2
DECORA\ADMINISTRATOR	2
Decora Blind Systems\$Sales Line\$VSIFT14	2
ZONE1	1
RAYMONDSYMT1	1
DecoraERP.Decora Blind Systems\$Document Dimension	2
ROSIEBELSHAW	1
NEALCONNOR	1
Decora Blind Systems\$Ledger Entry Dimension	2
DECORA\ADMINISTRATOR	2
Decora Blind Systems\$Registered Whse_Activity Line	2
DECORA\ADMINISTRATOR	2
Decora Blind Systems\$Posted Document Dimension	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Sales Line\$VSIFT16	1
MINDAUGASKUTKEVICIUS	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT7	1
DECORA\ADMINISTRATOR	1
8:00:00	1
BOXBLIND	1
Decora Blind Systems\$Value Entry\$VSIFT13	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Sales Analysis History	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Journal Line Dimension	1
IRENEMATHERS	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT6	1
DECORA\ADMINISTRATOR	1
sysobjvalues	1
DECORA\ADMINISTRATOR	1
Decora Blind Systems\$Warehouse Register	1
DECORA\ADMINISTRATOR	1
syschobjs	1
NAV_REPORTING	1
DecoraERP.Decora Blind Systems\$Warehouse Shipment Header	1
ZONE2	1
Decora Blind Systems\$Item Ledger Entry\$VSIFT3	1
DECORA\ADMINISTRATOR	1
DecoraERP.Decora Blind Systems\$Warehouse Shipment Line	1
OWENWILSON	1
DecoraERP.Decora Blind Systems\$Sales Line\$VSIFT3	1
NEALCONNOR	1
DecoraERP.Decora Blind Systems\$Item Ledger Entry	1
LEANNELINDSAY	1

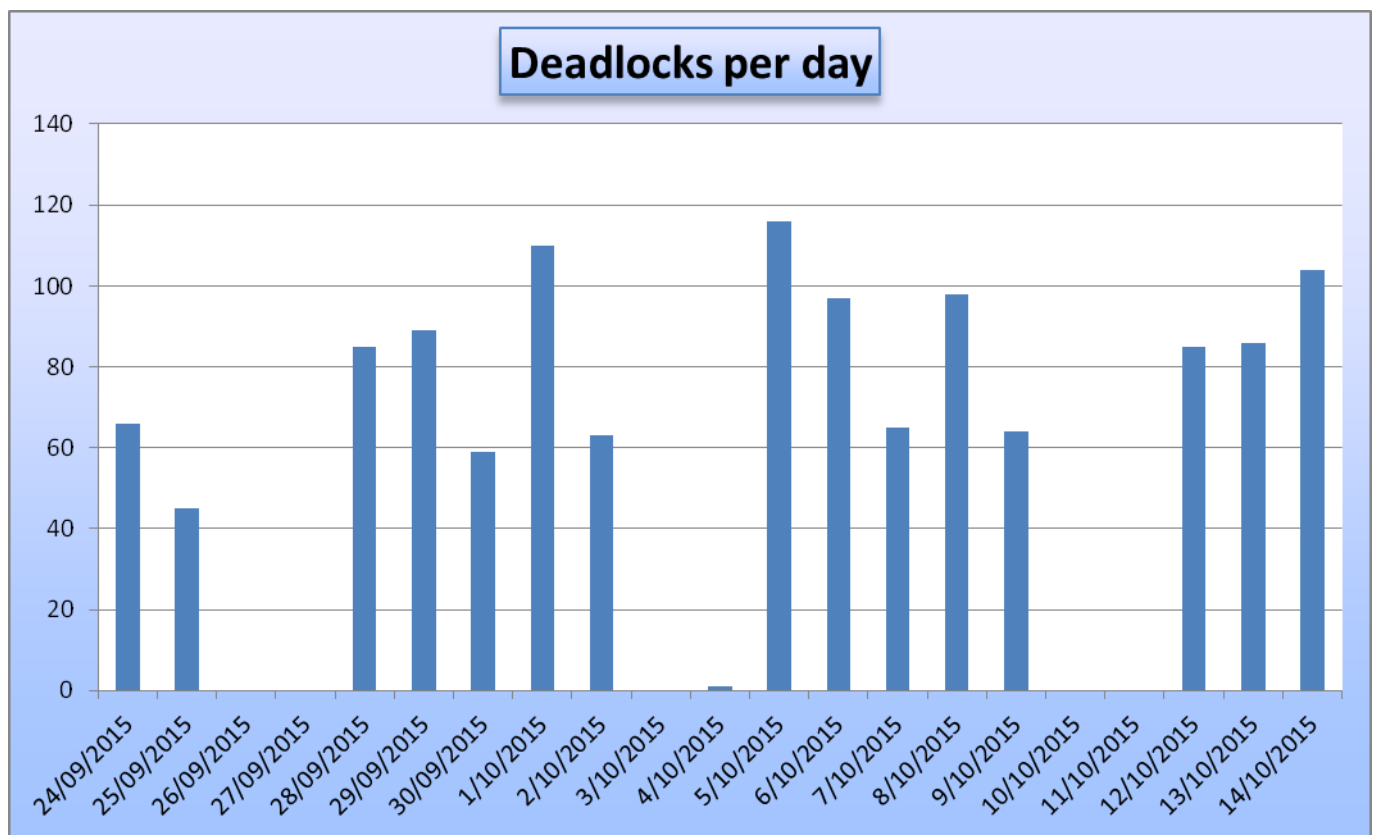
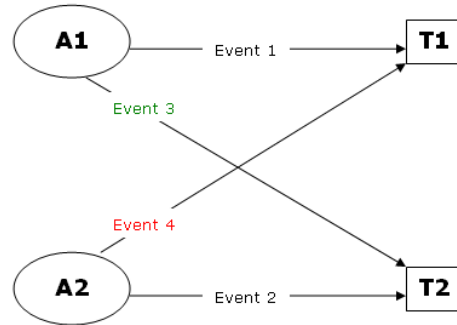


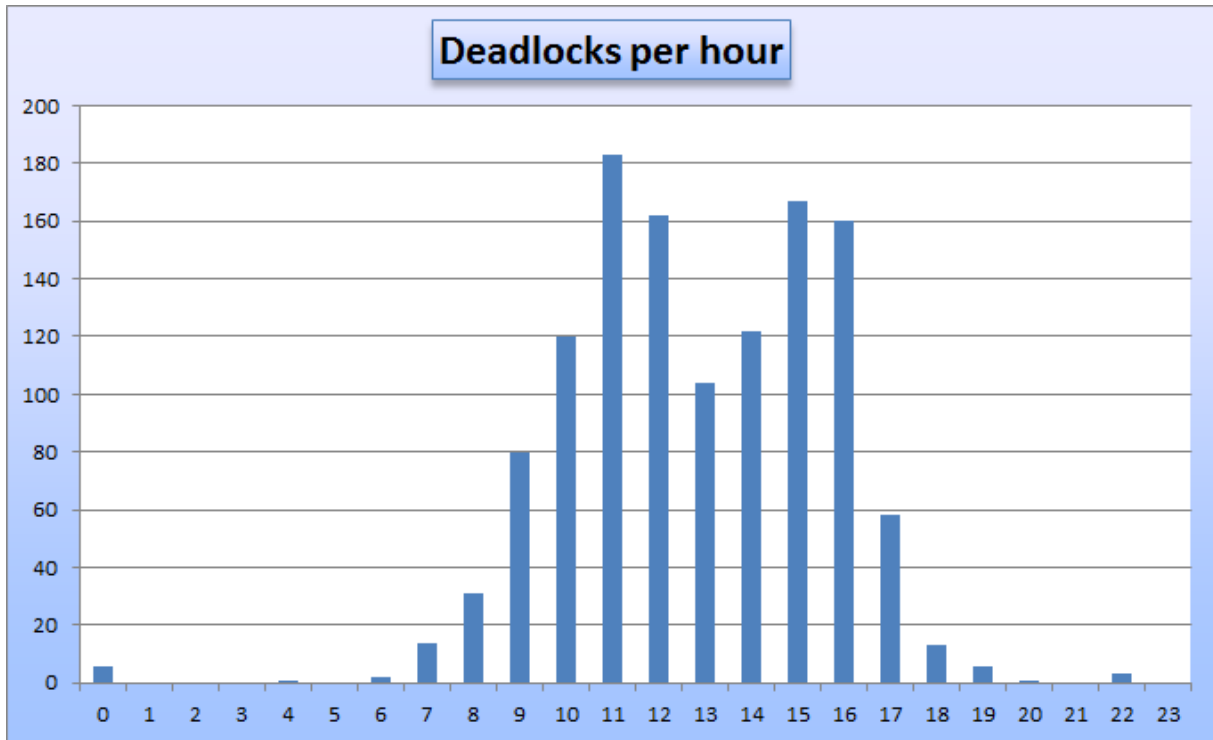
Deadlocks

Lock timeouts and deadlocks are experienced by end users as the most frustrating.

Lock timeouts and deadlocks can be the result of a blocking situation. The following lists will give an impression of the damage.

SQL Server checks for deadlocks every 5 seconds.





Users	Deadlocks
ZONE4	101
ZONE1	92
MARGARETGREEN	86
BWAREHOUSEZONE1B	69
DEANMAYES	69
ZONE2	68
BWAREHOUSEZONE2A	56
ZONESAMPLES	55
DECORA\WEBPORTAL	54
BWAREHOUSEZONE2B	45
BOXBLIND	42
BWAREHOUSEZONE1A	39
SIRETSULTS	38
KARENGALBRAITH	25
SYLVIAWILSON	25
HANNAHMCCANN	24
CURTISMENICE	24
K5-WS-DESPATCH	24
VANESSAKEARNEY	19
ANDREACUMMINGS	18
JANEOFX	16
GEOFFREYABERNETHY	15
ZONE3	14
KAROLINABUDASZ	13
SIMONHOUSTON	11
KAMILAKOLASINSKA	10
GOODSINW2	10
JASONTAGGART	10
HAZELMCGARRELL	9
ROSIEBELSHAW	8
LEANNELINDSAY	8
GOODSINPICKS	7
HEATHERASHE	7
LOUVRESKA	7
DEBORAHCAIRNS	7
NAOMIGWYNNE	6
KATARZYNAROGATKA	6
GAVINBECK	6
DAVIDGRICE	6
BWAREHOUSEGOODSIN	5
ROBERTMCCARTNEY	5

Users	Deadlocks
JUSTINEBLACK	5
DAVIDSMYLIE	5
LEEANNETORBIT	4
BARRYSEELEY	4
IRENEMATHERS	4
K5KITTING01	3
OWENWILSON	3
SINEADLAMONT	2
JULIECAMPBELL	2
VIKTORSMETANIN	2
NATALIESTINTON	2
DECORA\ADMINISTRATOR	2
LAURAMCMULLEN	2
TAPESKA	2
AMANDABOAL	2
WOODKA	2
ALUMINIUMSKA	2
ROLLERSKA	2
GOODSIN	2
WILLIAMFLANAGAN	1
CHRISWYLIE	1
ALANHANNA	1
GARYHYNDS	1
AARONRAINEY	1
RAYMONDSYMT1	1
LOUISEGIBSON	1
MARCINPERON	1
SUNWOODKA	1
ROBINMCDONALD	1
LINDAFLANAGAN	1
JACEKJACKOWSKA	1
DAVIDIRWIN	1
MINDAUGASKUTKEVICIUS	1
NAV_REPORTING	1
K5-SUNKITTING	1
DALECAMPBELL	1
MIROSLAVHOSEK	1
PAULAKYDD	1
ANDREWBELSHAW	1
PENGMCGETTIGAN	1
LISACRAIG	1

Tables	Deadlocks
Decora Blind Systems\$Warehouse Entry	378
Decora Blind Systems\$Warehouse Shipment Header	344
Decora Blind Systems\$G_L Entry	259
Decora Blind Systems\$Sales Line	54
Decora Blind Systems\$Warehouse Activity Line	43
Decora Blind Systems\$Warehouse Comment Line	34
Decora Blind Systems\$Item Ledger Entry	33
Decora Blind Systems\$Warehouse Request	18
Decora Blind Systems\$Whse_Pick Request	16
Decora Blind Systems\$Document Dimension	11
Decora Blind Systems\$Warehouse Shipment Line	8
Decora Blind Systems\$Whse_Worksheet Line	7
Decora Blind Systems\$Sales Header Archive	6
Decora Blind Systems\$Sales Header	4
Decora Blind Systems\$Warehouse Activity Header	3
Decora Blind Systems\$Sales Line\$VSIFT\$0	3
Decora Blind Systems\$Item Journal Line	2
Decora Blind Systems\$Item	2
Decora Blind Systems\$Detailed Cust_Ledg_Entry	2
Decora Blind Systems\$Warehouse Journal Line	2
Decora Blind Systems\$Bin Content	1
Decora Blind Systems\$Purchase Line	1
Decora Blind Systems\$Action Message Entry	1
Decora Blind Systems\$Sales Invoice Header	1

Deadlocks Users / Tables (top 5)	Deadlocks	Deadlocks Users / Tables (top 5)	Deadlocks
ZONE4	95	BOXBLIND	40
Decora Blind Systems\$Warehouse Entry	55	Decora Blind Systems\$Sales Line	16
Decora Blind Systems\$G_L Entry	25	Decora Blind Systems\$G_L Entry	11
Decora Blind Systems\$Item Ledger Entry	7	Decora Blind Systems\$Item Ledger Entry	5
Decora Blind Systems\$Warehouse Comment Line	4	Decora Blind Systems\$Document Dimension	4
Decora Blind Systems\$Warehouse Activity Line	4	Decora Blind Systems\$Sales Header	2
ZONE1	87	Decora Blind Systems\$Sales Header Archive	2
Decora Blind Systems\$Warehouse Entry	53	BWAREHOUSEZONE1A	39
Decora Blind Systems\$G_L Entry	22	Decora Blind Systems\$Warehouse Entry	26
Decora Blind Systems\$Warehouse Activity Line	6	Decora Blind Systems\$G_L Entry	4
Decora Blind Systems\$Whse_ Pick Request	3	Decora Blind Systems\$Warehouse Activity Line	4
Decora Blind Systems\$Sales Line	3	Decora Blind Systems\$Warehouse Comment Line	2
MARGARETGREEN	86	Decora Blind Systems\$Item Ledger Entry	1
Decora Blind Systems\$Warehouse Shipment Header	79	Decora Blind Systems\$Whse_ Worksheet Line	1
Decora Blind Systems\$Warehouse Request	3	Decora Blind Systems\$Warehouse Request	1
Decora Blind Systems\$Warehouse Shipment Line	1	SIRETSULTS	38
Decora Blind Systems\$Sales Line\$VSIIFT\$0	1	Decora Blind Systems\$Warehouse Shipment Header	30
Decora Blind Systems\$Sales Line	1	Decora Blind Systems\$Sales Line	4
Decora Blind Systems\$Warehouse Comment Line	1	Decora Blind Systems\$Warehouse Request	2
DEANMAYES	69	Decora Blind Systems\$Warehouse Shipment Line	1
Decora Blind Systems\$Warehouse Shipment Header	58	Decora Blind Systems\$Sales Line\$VSIIFT\$0	1
Decora Blind Systems\$Warehouse Comment Line	5	SYLVIAWILSON	25
Decora Blind Systems\$Warehouse Shipment Line	3	Decora Blind Systems\$Warehouse Shipment Header	21
Decora Blind Systems\$Warehouse Request	2	Decora Blind Systems\$Warehouse Comment Line	2
Decora Blind Systems\$Sales Line	1	Decora Blind Systems\$Document Dimension	1
BWAREHOUSEZONE1B	68	Decora Blind Systems\$Sales Header	1
Decora Blind Systems\$Warehouse Entry	42	KARENGALBRAITH	25
Decora Blind Systems\$G_L Entry	12	Decora Blind Systems\$G_L Entry	25
Decora Blind Systems\$Warehouse Comment Line	6	K5-WS-DESPATCH	24
Decora Blind Systems\$Warehouse Activity Line	4	Decora Blind Systems\$Warehouse Entry	18
Decora Blind Systems\$Whse_ Pick Request	2	Decora Blind Systems\$G_L Entry	5
Decora Blind Systems\$Warehouse Request	2	Decora Blind Systems\$Item Ledger Entry	1
ZONE2	63	CURTISMENICE	24
Decora Blind Systems\$Warehouse Entry	38	Decora Blind Systems\$Warehouse Shipment Header	22
Decora Blind Systems\$G_L Entry	9	Decora Blind Systems\$Sales Line	1
Decora Blind Systems\$Warehouse Activity Line	8	Decora Blind Systems\$Warehouse Request	1
Decora Blind Systems\$Sales Line	5	HANNAHMCCANN	24
Decora Blind Systems\$Whse_ Pick Request	3	Decora Blind Systems\$G_L Entry	17
BWAREHOUSEZONE2A	56	Decora Blind Systems\$Item Ledger Entry	5
Decora Blind Systems\$Warehouse Entry	40	Decora Blind Systems\$Warehouse Entry	1
Decora Blind Systems\$G_L Entry	10	Decora Blind Systems\$Sales Invoice Header	1
Decora Blind Systems\$Warehouse Comment Line	3	VANESSAKEARNEY	19
Decora Blind Systems\$Whse_ Pick Request	1	Decora Blind Systems\$Warehouse Shipment Header	18
Decora Blind Systems\$Bin Content	1	Decora Blind Systems\$Warehouse Request	1
Decora Blind Systems\$Item Ledger Entry	1	ANDREACUMMINGS	18
ZONESAMPLES	55	Decora Blind Systems\$G_L Entry	18
Decora Blind Systems\$Warehouse Entry	34	JANEFOX	16
Decora Blind Systems\$G_L Entry	15	Decora Blind Systems\$G_L Entry	13
Decora Blind Systems\$Warehouse Activity Line	3	Decora Blind Systems\$Warehouse Shipment Header	2
Decora Blind Systems\$Whse_ Pick Request	2	Decora Blind Systems\$Detailed Cust_ Ledg_ Entry	1
Decora Blind Systems\$Warehouse Request	1	GEOFFREYABERNETHY	15
DECORA\WEBPORTAL	54	Decora Blind Systems\$Warehouse Entry	6
Decora Blind Systems\$Warehouse Shipment Header	49	Decora Blind Systems\$G_L Entry	5
Decora Blind Systems\$Warehouse Comment Line	1	Decora Blind Systems\$Warehouse Shipment Header	3
Decora Blind Systems\$Warehouse Request	1	Decora Blind Systems\$Whse_ Worksheet Line	1
Decora Blind Systems\$Sales Line	1	ZONE3	14
Decora Blind Systems\$Sales Header	1	Decora Blind Systems\$Warehouse Entry	3
Decora Blind Systems\$Sales Line\$VSIIFT\$0	1	Decora Blind Systems\$Sales Line	3
BWAREHOUSEZONE2B	44	Decora Blind Systems\$G_L Entry	3
Decora Blind Systems\$Warehouse Entry	19	Decora Blind Systems\$Sales Header Archive	2
Decora Blind Systems\$G_L Entry	15	Decora Blind Systems\$Item Ledger Entry	1
Decora Blind Systems\$Warehouse Comment Line	3	Decora Blind Systems\$Document Dimension	1
Decora Blind Systems\$Warehouse Activity Line	3	Decora Blind Systems\$Warehouse Activity Line	1
Decora Blind Systems\$Whse_ Pick Request	2		
Decora Blind Systems\$Warehouse Activity Header	2		

Deadlocks Users / Tables (top 5)	Deadlocks	Deadlocks Users / Tables (top 5)	Deadlocks
KAROLINABUDASZ	13	BWAREHOUSEGOODSIN	5
Decora Blind Systems\$Warehouse Entry	7	Decora Blind Systems\$G_L Entry	3
Decora Blind Systems\$G_L Entry	6	Decora Blind Systems\$Whse_ Worksheet Line	1
SIMONHOUSTON	11	Decora Blind Systems\$Warehouse Entry	1
Decora Blind Systems\$Warehouse Shipment Header	4	JUSTINEBLACK	5
Decora Blind Systems\$Sales Line	2	Decora Blind Systems\$Warehouse Shipment Header	4
Decora Blind Systems\$G_L Entry	2	Decora Blind Systems\$Sales Line	1
Decora Blind Systems\$Warehouse Entry	1	ROBERTMCCARTNEY	5
Decora Blind Systems\$Warehouse Comment Line	1	Decora Blind Systems\$Warehouse Activity Line	3
Decora Blind Systems\$Warehouse Activity Line	1	Decora Blind Systems\$Warehouse Entry	1
GOODSINW2	10	Decora Blind Systems\$Warehouse Comment Line	1
Decora Blind Systems\$Warehouse Entry	4	DAVIDSMYLIE	5
Decora Blind Systems\$G_L Entry	2	Decora Blind Systems\$Warehouse Activity Line	3
Decora Blind Systems\$Whse_ Worksheet Line	1	Decora Blind Systems\$Whse_ Pick Request	1
Decora Blind Systems\$Item Ledger Entry	1	Decora Blind Systems\$G_L Entry	1
Decora Blind Systems\$Warehouse Comment Line	1	BARRYSEELEY	4
Decora Blind Systems\$Sales Line	1	Decora Blind Systems\$Warehouse Shipment Header	4
JASONTAGGART	10	IRENEMATHERS	4
Decora Blind Systems\$Warehouse Entry	5	Decora Blind Systems\$G_L Entry	4
Decora Blind Systems\$Sales Line	3	LEEANNETORBIT	4
Decora Blind Systems\$Warehouse Comment Line	1	Decora Blind Systems\$G_L Entry	3
Decora Blind Systems\$Warehouse Activity Line	1	Decora Blind Systems\$Item Ledger Entry	1
KAMILAKOLASINSKA	10	K5KITTING01	3
Decora Blind Systems\$Item Ledger Entry	5	Decora Blind Systems\$Sales Line	3
Decora Blind Systems\$G_L Entry	4	OWENWILSON	3
Decora Blind Systems\$Detailed Cust_ Ledg_ Entry	1	Decora Blind Systems\$Warehouse Entry	2
HAZELMCGARRELL	9	Decora Blind Systems\$Warehouse Journal Line	1
Decora Blind Systems\$Warehouse Shipment Header	8	SINEADLAMONT	2
Decora Blind Systems\$Sales Line	1	Decora Blind Systems\$Warehouse Shipment Line	2
ROSIEBELSHAW	8	VIKTORMETANIN	2
Decora Blind Systems\$Warehouse Shipment Header	6	Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Sales Line	1	Decora Blind Systems\$Warehouse Activity Header	1
Decora Blind Systems\$Warehouse Comment Line	1	TAPESKA	2
LEANNELINDSAY	8	Decora Blind Systems\$Warehouse Shipment Header	2
Decora Blind Systems\$G_L Entry	6	ALUMINIUMSKA	2
Decora Blind Systems\$Item Ledger Entry	2	Decora Blind Systems\$Warehouse Shipment Header	2
DEBORAHCAIRNS	7	ROLLERSKA	2
Decora Blind Systems\$Sales Line	4	Decora Blind Systems\$Warehouse Shipment Header	2
Decora Blind Systems\$Warehouse Shipment Header	3	GOODSIN	2
HEATHERASHE	7	Decora Blind Systems\$Warehouse Entry	2
Decora Blind Systems\$G_L Entry	6	DECORA\ADMINISTRATOR	2
Decora Blind Systems\$Purchase Line	1	Decora Blind Systems\$G_L Entry	2
LOUVRESKA	7	JULIECAMPBELL	2
Decora Blind Systems\$Warehouse Shipment Header	7	Decora Blind Systems\$Warehouse Shipment Header	2
GOODSINPICKS	7	AMANDABOAL	2
Decora Blind Systems\$Warehouse Entry	4	Decora Blind Systems\$G_L Entry	2
Decora Blind Systems\$Warehouse Activity Line	2	LAURAMCMULLEN	2
Decora Blind Systems\$G_L Entry	1	Decora Blind Systems\$Warehouse Entry	1
KATARZYNAROGATKA	6	Decora Blind Systems\$G_L Entry	1
Decora Blind Systems\$Warehouse Entry	3	NATALIESTINTON	2
Decora Blind Systems\$Item Journal Line	2	Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$Warehouse Shipment Header	1	Decora Blind Systems\$Warehouse Request	1
DAVIDGRICE	6	WOODKA	2
Decora Blind Systems\$Warehouse Entry	5	Decora Blind Systems\$Warehouse Shipment Line	1
Decora Blind Systems\$Warehouse Journal Line	1	Decora Blind Systems\$Warehouse Shipment Header	1
GAVINBECK	6	CHRISWYLIE	1
Decora Blind Systems\$Warehouse Entry	4	Decora Blind Systems\$Warehouse Shipment Header	1
Decora Blind Systems\$G_L Entry	1	MARCINPERON	1
Decora Blind Systems\$Item Ledger Entry	1	Decora Blind Systems\$Item Ledger Entry	1
NAOMIGWYNNE	6	AARONRAINEY	1
Decora Blind Systems\$Warehouse Shipment Header	5	Decora Blind Systems\$Warehouse Entry	1
Decora Blind Systems\$G_L Entry	1		

Deadlocks Users / Tables (top 5)	Deadlocks
WILLIAMFLANAGAN	1
Decora Blind Systems\$Warehouse Shipment Header	1
NAV_REPORTING	1
Decora Blind Systems\$Item	1
LINDAFLANAGAN	1
Decora Blind Systems\$Warehouse Shipment Header	1
ANDREWBELSHAW	1
Decora Blind Systems\$Warehouse Entry	1
JACEKJACKOWSKA	1
Decora Blind Systems\$Sales Header Archive	1
SUNWOODKA	1
Decora Blind Systems\$Action Message Entry	1
ROBINMCDONALD	1
Decora Blind Systems\$G_L Entry	1
LOUISEGIBSON	1
Decora Blind Systems\$Document Dimension	1
LISACRAIG	1
Decora Blind Systems\$Document Dimension	1
GARYHYNDS	1
Decora Blind Systems\$Warehouse Shipment Header	1
K5-SUNKITTING	1
Decora Blind Systems\$Sales Line	1
DALECAMPBELL	1
Decora Blind Systems\$Warehouse Shipment Header	1
DAVIDIRWIN	1
Decora Blind Systems\$G_L Entry	1
RAYMONDSYMT1	1
Decora Blind Systems\$G_L Entry	1
ALANHANNA	1
Decora Blind Systems\$G_L Entry	1
PAULAKYDD	1
Decora Blind Systems\$Warehouse Shipment Header	1
PENGMCGETTIGAN	1
Decora Blind Systems\$Warehouse Request	1
MINDAUGASKUTKEVICIUS	1
Decora Blind Systems\$G_L Entry	1
MIROSLAVHOSEK	1
Decora Blind Systems\$Warehouse Shipment Header	1

Deadlocks Tables / Users (top 5)	Deadlocks	Deadlocks Tables / Users (top 5)	Deadlocks
Decora Blind Systems\$Warehouse Shipment Header	238	Decora Blind Systems\$Document Dimension	11
MARGARETGREEN	79	BOXBLIND	4
DEANMAYES	58	ZONE2	2
DECORA\WEBPORTAL	49	ZONE1	1
SIRETSULTS	30	LISACRAIG	1
CURTISMENICE	22	ZONE3	1
Decora Blind Systems\$Warehouse Entry	228	LOUISEGIBSON	1
ZONE4	55	SYLVIAWILSON	1
ZONE1	53	Decora Blind Systems\$Warehouse Shipment Line	8
BWAREHOUSEZONE1B	42	DEANMAYES	3
BWAREHOUSEZONE2A	40	SINEADLAMONT	2
ZONE2	38	MARGARETGREEN	1
Decora Blind Systems\$G_L Entry	107	WOODKA	1
ZONE4	25	SIRETSULTS	1
KARENGALBRAITH	25	Decora Blind Systems\$Whse_ Worksheet Line	7
ZONE1	22	BWAREHOUSEGOODSIN	1
ANDREACUMMINGS	18	ZONE2	1
HANNAHMCCANN	17	GOODSINW2	1
Decora Blind Systems\$Sales Line	41	BWAREHOUSEZONE1A	1
BOXBLIND	16	ZONE4	1
ZONE2	5	BWAREHOUSEZONE2B	1
SIRETSULTS	4	GEOFFREYABERNETHY	1
DEBORAHCAIRNS	4	Decora Blind Systems\$Sales Header Archive	6
ZONE1	3	ZONE3	2
JASONTAGGART	3	BOXBLIND	2
ZONE3	3	ZONE2	1
KSKITTING01	3	JACEKJACKOWSKA	1
Decora Blind Systems\$Warehouse Activity Line	26	Decora Blind Systems\$Sales Header	4
ZONE2	8	BOXBLIND	2
ZONE1	6	SYLVIAWILSON	1
BWAREHOUSEZONE1A	4	DECORA\WEBPORTAL	1
ZONE4	4	Decora Blind Systems\$Sales Line\$VSIFT\$0	3
BWAREHOUSEZONE1B	4	DECORA\WEBPORTAL	1
Decora Blind Systems\$Item Ledger Entry	24	SIRETSULTS	1
ZONE4	7	MARGARETGREEN	1
BOXBLIND	5	Decora Blind Systems\$Warehouse Activity Header	3
HANNAHMCCANN	5	BWAREHOUSEZONE2B	2
KAMILAKOLASINSKA	5	VIKTORSMETANIN	1
LEANNELINDSAY	2	Decora Blind Systems\$Item	2
Decora Blind Systems\$Warehouse Comment Line	21	NAV_REPORTING	1
BWAREHOUSEZONE1B	6	BOXBLIND	1
DEANMAYES	5	Decora Blind Systems\$Item Journal Line	2
ZONE4	4	KATARZYNDAROGATKA	2
BWAREHOUSEZONE2A	3	Decora Blind Systems\$Detailed Cust_Ledg_Entry	2
BWAREHOUSEZONE2B	3	KAMILAKOLASINSKA	1
Decora Blind Systems\$Warehouse Request	18	JANEFox	1
MARGARETGREEN	3	Decora Blind Systems\$Warehouse Journal Line	2
SIRETSULTS	2	OWENWILSON	1
BWAREHOUSEZONE1B	2	DAVIDGRICE	1
DEANMAYES	2	Decora Blind Systems\$Purchase Line	1
CURTISMENICE	1	HEATHERASHE	1
PENGMCGETTIGAN	1	Decora Blind Systems\$Bin Content	1
ZONE1	1	BWAREHOUSEZONE2A	1
VANESSAKEARNEY	1	Decora Blind Systems\$Sales Invoice Header	1
DECORA\WEBPORTAL	1	HANNAHMCCANN	1
ZONE4	1	Decora Blind Systems\$Action Message Entry	1
ZONESAMPLES	1	SUNWOODKA	1
BWAREHOUSEZONE1A	1		
NATALIESTINTON	1		
Decora Blind Systems\$Whse_Pick Request	14		
ZONE2	3		
ZONE1	3		
ZONESAMPLES	2		
ZONE4	2		
BWAREHOUSEZONE1B	2		
BWAREHOUSEZONE2B	2		

Timeouts

No timeouts have been recorded. The timeout setting for the NAV database is NO.

Queries

During 1 day the profiler has been running on the system. This tools collects SQL queries that take longer than 50 milliseconds and saves these in a SQL table for analyzing.

The SQL Perform tools analyses these tables and show transactions that take the longest and happen most often. Possible solutions are new or better indexes and creating SIFT levels. Also user training might solve issues.

Note: There are many huge queries coming from the Blindata database.

Query sorted by execution count	Count	Tot time	Avg time	Tot reads	Avg reads
SELECT TOP 1 @IsImperialSetup = [Parameter3].[IsImperialSetup] FROM [Parameter3] WITH(NOLOCK) WHERE [CompanyID] = @CompanyID	1.605.283.877	9.163.354	-	3.210.567.754	2
SELECT TOP 1 @IsOffice = ISNULL([IsOffice], 1) FROM [Version_Blindata] --1 If option is allowed for the customer	837.787.715	9.948.655	-	1.675.575.717	2
SELECT TOP 1 @ResrictionTypeCodeDesktopID = [ID] FROM [RestrictionType] WHERE [Code] = dbo.fnRestrictionTypeCodeDesktop()	837.704.747	21.684.565	-	2.303.397.905	2
SELECT TOP 1 @ResrictionTypeCodeBothID = [ID] FROM [RestrictionType] WHERE [Code] = dbo.fnRestrictionTypeCodeBoth() --Get IsOffice or Desktop value	837.703.451	20.999.286	-	2.303.391.392	2
SELECT TOP 1 @ResrictionTypeCodeOnlineID = [ID] FROM [RestrictionType] WHERE [Code] = dbo.fnRestrictionTypeCodeOnline()	837.691.625	26.140.552	-	2.303.333.499	2
IF EXISTS (SELECT TOP 1 [ID] FROM [OptionRestrictions] WITH(NOLOCK) WHERE ([OptionRestrictions].[OptionID] = @OptionID) AND ([OptionRestrictions].[CustomerID] = @CustomerID) AND ([OptionRestrictions].[BlindTypeID] = @BlindTypeID OR [OptionRestrictions].[BlindTypeID] IS NULL) AND ([OptionRestrictions].[IsAvailable] = 1) AND ((@IsOffice = 0 AND [OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeOnlineID) OR (@IsOffice = 1 AND [OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeDesktopID) OR ([OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeBothID)))	837.690.292	34.478.500	-	3.169.205.188	3
IF EXISTS (SELECT TOP 1 [ID] FROM [OptionRestrictions] WITH(NOLOCK) WHERE ([OptionRestrictions].[OptionID] = @OptionID) AND ([OptionRestrictions].[CustomerID] <> @CustomerID) AND ([OptionRestrictions].[BlindTypeID] = @BlindTypeID OR [OptionRestrictions].[BlindTypeID] IS NULL) AND ([OptionRestrictions].[IsAvailable] = 1) AND ((@IsOffice = 0 AND [OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeOnlineID) OR (@IsOffice = 1 AND [OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeDesktopID) OR ([OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeBothID)))	835.969.119	30.322.256	-	3.165.799.486	3
IF EXISTS (SELECT TOP 1 [ID] FROM [OptionRestrictions] WITH(NOLOCK) WHERE ([OptionRestrictions].[OptionID] = @OptionID) AND ([OptionRestrictions].[CustomerID] = @CustomerID) AND ([OptionRestrictions].[BlindTypeID] = @BlindTypeID OR [OptionRestrictions].[BlindTypeID] IS NULL) AND ([OptionRestrictions].[IsAvailable] = 0) AND ((@IsOffice = 0 AND [OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeOnlineID) OR (@IsOffice = 1 AND [OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeDesktopID) OR ([OptionRestrictions].[RestrictionTypeID] = @ResrictionTypeCodeBothID)))	835.949.523	29.818.405	-	3.158.899.367	3
SELECT COUNT(*) FROM "DecoraERP"."dbo"."Decora Blind Systems\$Warehouse Shipment Line" WHERE ("No_"=@P1)	182.553.016	3.653.923	-	366.191.596	2

Query sorted by execution count	Count	Tot time	Avg time	Tot reads	Avg reads
SELECT TOP 1 @IsBoughtIn = CASE WHEN @MakeType = 2 THEN CASE WHEN [OrderDetail].[ManufactureOrBuyInChoiceCode] = 2 AND [BlindType].[is_stock] = 1 THEN 1 WHEN [OrderDetail].[ManufactureOrBuyInChoiceCode] = 0 AND [BlindType].[is_madeup] = 1 THEN 1 --dbo.ManufactureOrBuyInChoiceCodeNotUse() WHEN [BlindType].[IsManufactureOrBuyInChoice] = 0 AND [BlindType].[is_madeup] = 1 THEN 1 WHEN [BlindType].[IsManufactureOrBuyInChoice] = 1 AND [OrderDetail].[ManufactureOrBuyInChoiceCode] = 2 THEN 1 --dbo.ManufactureOrBuyInChoiceCodeBoughtIn() ELSE 0 END ELSE 0 END, @IsStockControl = CASE WHEN @MakeType = 1 THEN CASE WHEN [OrderDetail].[ManufactureOrBuyInChoiceCode] = 1 AND [BlindType].[is_stock] = 1 THEN 1 WHEN [OrderDetail].[ManufactureOrBuyInChoiceCode] = 0 AND [BlindType].[is_stock] = 1 THEN 1 --dbo.ManufactureOrBuyInChoiceCodeNotUse() WHEN [BlindType].[IsManufactureOrBuyInChoice] = 0 AND [BlindType].[is_stock] = 1 THEN 1 WHEN [BlindType].[IsManufactureOrBuyInChoice] = 1 AND [OrderDetail].[ManufactureOrBuyInChoiceCode] = 1 THEN 1 --dbo.ManufactureOrBuyInChoiceCodeManufacture() ELSE 0 END ELSE 0 END, @IsPartlyBoughtIn = CASE WHEN [OrderDetail].[ManufactureOrBuyInChoiceCode] = 0 AND [BlindType].[is_partly_bought] = 1 THEN 1 --dbo.ManufactureOrBuyInChoiceCodeNotUse() WHEN [BlindType].[IsManufactureOrBuyInChoice] = 0 AND [BlindType].[is_partly_bought] = 1 THEN 1 ELSE 0 END FROM [vOrderDetail] AS [OrderDetail] WITH(NOLOCK) INNER JOIN [BlindType] WITH(NOLOCK) ON [OrderDetail].[blindtype_id] = [BlindType].[id] WHERE [OrderDetail].[id] = @OrderDetailID --Check for StockControl-----	134.054.555	2.269.232	-	672.860.720	5
SELECT COUNT(*) FROM "DecoraERP"."dbo"."Decora Blind Systems\$Warehouse Shipment Line" WITH (READUNCOMMITTED) WHERE ("No_"=@P1))	132.324.807	2.638.392	-	265.193.909	2
IF (SELECT TOP 1 [Parameter3].[IsUseSupplierManufactureStatusDesc] FROM [Parameter3] WITH(NOLOCK) WHERE [Parameter3].[CompanyID] = @CompanyID) = 0	66.959.186	808.028	-	133.918.372	2
SELECT TOP 1 @StatusName = [OrderStatus].[name], @SupplierStatusDesc = [OrderStatus].[SupplieStatusDesc], @IsOrderBoughtIn = 0 FROM [OrderStatus] WITH(NOLOCK) WHERE [OrderStatus].[id] = @OrderStatusID	66.957.095	675.904	-	133.914.190	2
select PROCEDURE_CATALOG = s_pp.PROCEDURE_CATALOG, PROCEDURE_SCHEMA = s_pp.PROCEDURE_SCHEMA, PROCEDURE_NAME = convert(nvarchar(134), ...), DESCRIPTION = s_pp.DESCRPTION, TYPE_NAME = s_pp.TYPE_NAME_28, -- for backward compatibility LOCAL_TYPE_NAME = s_pp.LOCAL_TYPE_NAME_28 -- for backward compatibility from sys.spt_procedure_params_view s_pp where (@procedure_schema is not null and s_pp.object_id = object_id(quotename(@procedure_schema) + '.' + quotename(@procedure_name))) and (@group_number is null or (s_pp.procedure_number	55.909.972	30.208.188	-	3.375.258.486	60
FETCH NEXT FROM CurDetails INTO @OrderDetailID	54.223.607	438.001	-	108.447.214	2

Query sorted by Total reads	Count	Tot time	Avg time	Tot reads	Avg reads
<pre> INSERT INTO [EDIMappingCustomer] (OuterCustCode, OuterCustName) SELECT DISTINCT [EDISenderinformation].[CompAccCode], [EDISenderinformation].[CompanyName] FROM [EDISenderinformation] WHERE [EDISenderinformation].[IsOnline] != 1 -- we don't nedd mapp online customer AND [EDISenderinformation].[CompAccCode]+' '+[EDISenderinformation].[CompanyName] NOT IN (SELECT DISTINCT [EDIMappingCustomer].[OuterCustCode]+' '+ [EDIMappingCustomer].[OuterCustName] FROM [EDIMappingCustomer]) --Don't need now because online transactions excluding from mapp engine /* --Declare variabless----- ----- DECLARE @ID INT, @Code NVARCHAR(50), @Name NVARCHAR(200), @UserID INT DECLARE CurOnline CURSOR FOR SELECT DISTINCT [EDIMappingCustomer].[ID], [EDIMappingCustomer].[OuterCustCode], REPLACE([EDIMappingCustomer].[OuterCustName], '-Online', '') FROM [EDIMappingCustomer] INNER JOIN [EDISenderinformation] ON [EDIMappingCustomer].[OuterCustCode] = [EDISenderinformation].[CompAccCode] AND [EDIMappingCustomer].[OuterCustName] = [EDISenderinformation].[CompanyName] WHERE [EDISenderinformation].[IsOnline] = 1 AND [EDIMappingCustomer].[InnerCustID] IS NULL OPEN CurOnline FETCH NEXT FROM CurOnline INTO @ID, @Code, @Name WHILE @@FETCH_STATUS = 0 BEGIN SET @UserID = NULL SELECT TOP 1 @UserID = [ID] FROM [User] WHERE [User].[sageaccount] = @Code AND [User].[company] = @Name IF @UserID IS NOT NULL UPDATE [EDIMappingCustomer] SET [InnerCustID] = @UserID WHERE [ID] = @ID FETCH NEXT FROM CurOnline INTO @ID, @Code, @Name END CLOSE CurOnline DEALLOCATE CurOnline */ SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5)) AND (("Priority"=@P6)) AND (("Queue Code"=@P7)) AND (("Queue Type"=@P8)) AND "Date Sent"<@P9 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN) SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5 OR "Mail To"=@P6)) AND (("Priority"=@P7)) AND (("Queue Code"=@P8)) AND (("Queue Type"=@P9)) AND "Date Sent"<@P10 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN) SELECT [Order].[id], [Order].[dat_order], [Order].[user_id], [Order].[orderstatus_id], [Order].[proforma_id], [Order].[is_hold], [Order].[order_id], [Order].[is_hold_cutomer], [Order].[is_remake], ..., [Order].[dat_delivery] AS [DateDespatch], [OrderSource].[name] AS [OrderSourceName], [Order].[SupportCallNo] AS [OrderSupportCallNo], [Order].[IsCustomerRequiredDate], [User].[is_proforma_customer], [User].[is_enable] AS [IsOnStop], SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4)) AND (("Priority"=@P5)) AND (("Queue Code"=@P6)) AND (("Queue Type"=@P7)) AND "Date Sent"<@P8 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN) </pre>	44.502	58.066.217	1.304	44.843.683.408	1.007.677
<pre> SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5)) AND (("Priority"=@P6)) AND (("Queue Code"=@P7)) AND (("Queue Type"=@P8)) AND "Date Sent"<@P9 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN) </pre>	5.158	18.952.190	3.674	36.878.204.808	7.149.710
<pre> SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5 OR "Mail To"=@P6)) AND (("Priority"=@P7)) AND (("Queue Code"=@P8)) AND (("Queue Type"=@P9)) AND "Date Sent"<@P10 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN) </pre>	5.762	19.120.508	3.318	36.224.149.652	6.286.731
<pre> SELECT [Order].[id], [Order].[dat_order], [Order].[user_id], [Order].[orderstatus_id], [Order].[proforma_id], [Order].[is_hold], [Order].[order_id], [Order].[is_hold_cutomer], [Order].[is_remake], ..., [Order].[dat_delivery] AS [DateDespatch], [OrderSource].[name] AS [OrderSourceName], [Order].[SupportCallNo] AS [OrderSupportCallNo], [Order].[IsCustomerRequiredDate], [User].[is_proforma_customer], [User].[is_enable] AS [IsOnStop], </pre>	29.091	125.300.125	4.307	24.300.619.114	835.331
<pre> SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4)) AND (("Priority"=@P5)) AND (("Queue Code"=@P6)) AND (("Queue Type"=@P7)) AND "Date Sent"<@P8 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN) </pre>	2.631	10.535.104	4.004	20.954.119.132	7.964.317

Query sorted by Total reads	Count	Tot time	Avg time	Tot reads	Avg reads
SELECT [vOrder].[id], [vOrder].[IsArchived], CASE WHEN [vOrder].[type] = dbo.Order_CN_Type_Order() OR [vOrder].[type] = dbo.Order_CN_Type_ArchiveOrder() THEN [vOrder].[order_id] WHEN [vOrder].[type] = dbo.Order_CN_Type_Quotations() OR [vOrder].[type] = dbo.Order_CN_Type_ArchiveQuotations() THEN [vOrder].[quotation_id] WHEN [vOrder].[type] = dbo.Order_CN_Type_Credits() OR [vOrder].[type] = dbo.Order_CN_Type_ArchiveCredits() THEN [vOrder].[num_invoice] END AS [OID], CASE WHEN [vOrder].[type] = dbo.Order_CN_Type_Order() OR [vOrder].[type] = dbo.Order_CN_Type_ArchiveOrder() THEN 'Order' WHEN [vOrder].[type] = dbo.Order_CN_Type_Quotations() OR [vOrder].[type] = dbo.Order_CN_Type_ArchiveQuotations() THEN 'Quotation' WHEN [vOrder].[type] = dbo.Order_CN_Type_Credits() OR [vOrder].[type] = dbo.Order_CN_Type_ArchiveCredits() THEN 'Credit Note' END AS [OType], ..., [vOrder].[SagePayTransNumber] FROM [vOrder] INNER JOIN [User] ON [vOrder].[user_id] = [User].[ID] INNER JOIN [OrderStatus] ON [vOrder].[orderstatus_id] = [OrderStatus].[id] INNER JOIN [vAddress] ON [vOrder].[DeliveryAddressID] = [vAddress].[id] LEFT JOIN [OrderScheduledDate] ON [vOrder].[id] = [OrderScheduledDate].[OrderID] LEFT JOIN [EDIOOrderHeader] ON [vOrder].[id] = [EDIOOrderHeader].[SalesOrderID] LEFT JOIN [EDISenderinformation] ON [EDIOOrderHeader].[ParentID] = [EDISenderinformation].[ID] LEFT JOIN [OrderSource] ON [vOrder].[ordersource_id] = [OrderSource].[id] LEFT JOIN [UserSubAccount] ON [vOrder].[SubAccountID] = [UserSubAccount].[ID] LEFT JOIN [PostCode] ON [vAddress].[postcode_id] = [PostCode].[id] WHERE (@OrderNO IS NULL OR [vOrder].[order_id] = @OrderNO OR [vOrder].[quotation_id] = @OrderNO OR [vOrder].[num_invoice] = @OrderNO) AND (@CustOrderNo IS NULL OR	27.506	36.450.989	1.325	20.528.385.009	746.323
update [fabric] set ExpectedDeliveryDate = (select [Delivery Date] from decoraerp.dbo.DECORA_Next_Delivery_Date where [No_]=code collate cyrillic_general_CI_AS) where is_enable=0 and display_stock_message=1	19	36.289.945	1.909.997	18.847.328.131	991.964.638
SELECT [Fabric].[fieldname_id] AS [FNID] INTO #TempEDIOOnlineCheckOptionsList FROM [EDIOOrderHeader] INNER JOIN [EDIOOrderDetails] ON [EDIOOrderHeader].[ID] = [EDIOOrderDetails].[ParentID] INNER JOIN [EDIOptionList] ON [EDIOptionList].[ParentID] = [EDIOOrderDetails].[ID] INNER JOIN [EDISenderinformation] ON [EDISenderinformation].[ID] = [EDIOOrderHeader].[ParentID] INNER JOIN [Fabric] ON [EDIOptionList].[ChoiceCode] = [Fabric].[code] AND [Fabric].[company_id] = @CompanyID WHERE [EDISenderinformation].[IsOnline] = 1 AND [EDIOOrderHeader].[Included] = 1 AND [EDIOOrderHeader].[OperatorID] = @OperatorID AND [EDIOOrderHeader].[SalesOrderID] IS NULL AND [EDIOOrderDetails].[ID] = @OrderDetailID AND [EDISenderinformation].[CompAccCode] = @CustomerCode AND [EDISenderinformation].[CompanyName] = @CustomerName -- Duplicated Field Name	145.908	9.263.967	63	13.657.259.782	93.601
SELECT DISTINCT [Fabric].[id], [Fabric].[code], CASE WHEN @IsSelectFabricByStockCode = 0 THEN CAST(ISNULL([dbo].[fnGetFabricSubDescription]([Fabric].[id], @BlindType_ID), [Fabric].[description]) AS NVARCHAR(100)) ELSE LTRIM(ISNULL([dbo].[fnGetFabricSubCode]([Fabric].[id], @BlindType_ID), [Fabric].[code])) + SPACE(16-LEN(LTRIM(ISNULL([Fabric].[code],'')))) + ' ' + LTRIM(CAST(ISNULL([dbo].[fnGetFabricSubDescription]([Fabric].[id], @BlindType_ID), [Fabric].[description]) AS NVARCHAR(100))) END AS [Name], [Fabric].[IsFreeTypeEntry] FROM [Fabric] WITH(NOLOCK) INNER JOIN [Fabric_BlindType] WITH(NOLOCK) ON [Fabric_BlindType].[fabric_id] = [Fabric].[id] INNER JOIN [FieldName] WITH(NOLOCK) ON [Fabric].[fieldname_id] = [FieldName].[id] WHERE [Fabric_BlindType].[blindtype_id] IN (@BlindType_ID, @RelatedBlindTypeID) AND [FieldName].[code]=1 AND ([dbo].[fnIsOptionAllowed]([Fabric].[ID], @CustomerID, @BlindType_ID) = 1) AND ([dbo].[fnIsOptionAllowed]([Fabric].[ID], @CustomerID, @RelatedBlindTypeID) = 1) AND ([is_enable] = 0 OR @IsDisplayFabricNotInUse = 1) AND [Fabric].[fabricgroup_id] IS NOT NULL ORDER BY [Name]	78.489	136.895.246	1.744	12.830.581.064	163.469
SELECT SUM("Invoiced Quantity"),SUM("Remaining Quantity") FROM "DecoraERP"."dbo"."Decora Blind Systems\$Item Ledger Entry" WITH (READUNCOMMITTED) WHERE (("Item No_"=@P1))	2.617.691	45.579.218	17	12.638.224.288	4.828
SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1) AND ("Complete"=@P2) AND ("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5 OR "Mail To"=@P6 OR "Mail To"=@P7 OR "Mail To"=@P8) AND ("Priority"=@P9) AND ("Queue Code"=@P10) AND ("Queue Type"=@P11) AND "Date Sent"<@P12 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN)	1.896	6.367.108	3.358	11.371.837.961	5.997.804

Query sorted by Total reads	Count	Tot time	Avg time	Tot reads	Avg reads
SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5 OR "Mail To"=@P6 OR "Mail To"=@P7)) AND (("Priority"=@P8)) AND (("Queue Code"=@P9)) AND (("Queue Type"=@P10)) AND "Date Sent"<@P11 ORDER BY "Date Sent" DESC,"Sequence" DESC OPTION (OPTIMIZE FOR UNKNOWN)	1.709	5.585.967	3.268	9.868.238.648	5.774.276
SELECT @CountProcessTransaction = COUNT([ProcessTransaction].[ID]) FROM [SerialDetailLine] WITH(NOLOCK) INNER JOIN [ProcessTransaction] WITH(NOLOCK) ON [SerialDetailLine].[id] = [ProcessTransaction].[Serial_id] INNER JOIN [OrderDetail] WITH(NOLOCK) ON [SerialDetailLine].[OrderDetail_id] = @OrderDetailID INNER JOIN [BlindType] WITH(NOLOCK) ON [OrderDetail].[blindtype_id] = [BlindType].[id] INNER JOIN [Blind] WITH(NOLOCK) ON [BlindType].[blind_id] = [Blind].[id] INNER JOIN [Fabric] WITH(NOLOCK) ON [OrderDetail].[fabric_id] = [Fabric].[id] WHERE [SerialDetailLine].[OrderDetail_id] = @OrderDetailID AND [Blind].[code] <> 32 AND [Fabric].[is_carriage] <> 1 --Get count Serial Detail -Line-----	40.799	60.548.833	1.484	9.595.781.423	235.196
SELECT @CountSerialDetailLine = COUNT([SerialDetailLine].[ID]) FROM [SerialDetailLine] WITH(NOLOCK) INNER JOIN [OrderDetail] WITH(NOLOCK) ON [SerialDetailLine].[OrderDetail_id] = @OrderDetailID INNER JOIN [BlindType] WITH(NOLOCK) ON [OrderDetail].[blindtype_id] = [BlindType].[id] INNER JOIN [Blind] WITH(NOLOCK) ON [BlindType].[blind_id] = [Blind].[id] INNER JOIN [Fabric] WITH(NOLOCK) ON [OrderDetail].[fabric_id] = [Fabric].[id] WHERE [SerialDetailLine].[OrderDetail_id] = @OrderDetailID AND [Blind].[code] <> 32 AND [Fabric].[is_carriage] <> 1 --Get count ProcessForBlindType-----	40.789	33.270.527	815	9.586.366.762	235.023
SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Navimail Entry" WITH (READUNCOMMITTED) WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2)) AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5 OR "Mail To"=@P6)) AND (("Priority"=@P7)) AND (("Queue Code"=@P8)) AND (("Queue Type"=@P9)) AND "Date Sent">@P10 ORDER BY "Date Sent","Sequence" OPTION (OPTIMIZE FOR UNKNOWN)	2.788	3.631.829	1.302	6.958.281.548	2.495.796

Query sorted by Total time	Count	Tot time	Avg time	Tot reads	Avg reads
update [WWW-WEB2].[Timberlux_Stock_Chart].dbo.[Timberlux_Data] set [Due_Date] =(select Min([Delivery Date Confirmed]) from dbo.[Decora Blind Systems\$Purchase Line] where ([Outstanding Quantity] > 0) AND ([Delivery Date Confirmed] > GETDATE()) and No_[Stock_Code] collate Latin1_General_CI_AS group by No_)	347	281.361.231	810.839	6.030.601.736	17.379.255
SELECT DISTINCT [Fabric].[id], [Fabric].[code], CASE WHEN @IsSelectFabricByStockCode = 0 THEN CAST(ISNULL([dbo].[fnGetFabricSubDescription]([Fabric].[id], @BlindType_ID), [Fabric].[description]) AS NVARCHAR(100)) ELSE LTRIM(ISNULL([dbo].[fnGetFabricSubCode]([Fabric].[id], @BlindType_ID), [Fabric].[code])) + SPACE(16-LEN(LTRIM(ISNULL([Fabric].[code],"")))) + ' ' + LTRIM(CAST(ISNULL([dbo].[fnGetFabricSubDescription]([Fabric].[id], @BlindType_ID), [Fabric].[description]) AS NVARCHAR(100)))) END AS [Name], [Fabric].[IsFreeTypeEntry] FROM [Fabric] WITH(NOLOCK) INNER JOIN [Fabric_BlindType] WITH(NOLOCK) ON [Fabric_BlindType].[fabric_id] = [Fabric].[id] INNER JOIN [FieldName] WITH(NOLOCK) ON [Fabric].[fieldname_id] = [FieldName].[id] WHERE [Fabric_BlindType].[blindtype_id] IN (@BlindType_ID, @RelatedBlindTypeID) AND [FieldName].[code]=1 AND ([dbo].[fnIsOptionAllowed]([Fabric].[ID], @CustomerID, @BlindType_ID) = 1) AND ([dbo].[fnIsOptionAllowed]([Fabric].[ID], @CustomerID, @RelatedBlindTypeID) = 1) AND ([is_enable] = 0 OR @IsDisplayFabricNotInUse = 1) AND [Fabric].[fabricgroup_id] IS NOT NULL ORDER BY [Name]	78.471	136.804.244	1.743	12.826.257.697	163.452

Query sorted by Total time	Count	Tot time	Avg time	Tot reads	Avg reads
SELECT [Order].[id], [Order].[dat_order], [Order].[user_id], ..., [Order].[quotation_id] AS [QuotationNo], CASE WHEN @IsDisplayNotes = 0 AND @IsEnableEDINotes = 0 THEN CAST(" AS NTEXT) ELSE [Order].[Note] END AS [Notes], CASE WHEN [Order].[type] = 0 OR [Order].[type] = 4 THEN [Order].[order_id] WHEN [Order].[type] = 8 OR [Order].[type] = 16 THEN [Order].[quotation_id] WHEN [Order].[type] = 32 OR [Order].[type] = 64 THEN [Order].[credit_id] END AS [p_id], [User].[company] as [customer_name], LTRIM(ISNULL([Address].[first_name], '') + ' ' + ISNULL([Address].[last_name], '')) AS [contact_name], ISNULL([Address].[email], '') AS [Email], [Order].[SalesLeadID] AS [saleslead_id], CASE WHEN @IsDisplayOrderStatus = 0 THEN " ELSE CASE WHEN ([Order].[type] = 8 OR [Order].[type] = 16) AND [OrderStatus].[code]= 13 THEN 'Quotation Printed' WHEN ([Order].[type] = 32 OR [Order].[type] = 64) AND [OrderStatus].[code]= 13 THEN 'Credit Printed' WHEN ([OrderStatus].[code]= 3) AND ([Order].[IsFitting] = 1) AND ([Despatch].[IsDespatchAndInvoice] = 0) THEN 'Delivered' WHEN ([OrderStatus].[code]= 5) AND ([Order].[IsFitting] = 1) AND ([Despatch].[IsDespatchAndInvoice] = 1) THEN 'Delivered' WHEN @IsUseSupplierManufactureStatusDesc = 1 AND LEN(ISNULL([OrderStatus].[SupplierStatusDesc], '')) > 0 THEN dbo.fnGetOrderStatusName([Order].[id],..., [Order].[SupportCallNo] AS [OrderSupportCallNo], [Order].[IsCustomerRequiredDate], [User].[is_proforma_customer], [User].[is_enable] AS [IsOnStop],	29.095	125.324.621	4.307	24.301.307.217	835.239
update [WWW-WEB2].[Boxblind_Stock_Chart].dbo.[Boxblind_Data] set [Inventory]=(Select [Inventory Excl Ship Bin]-[Qty on Sales Order]-[On Sales Order MFG] from [DecoraERP].dbo.[DECORA_Item_Total_Available] where [No_]=[Stock_Code] collate Latin1_General_CI_AS)	335	119.306.992	356.140	5.975.146.112	17.836.257
SELECT @ReturnValue= sum([Qty_ (Base)]) FROM [Decora Blind Systems\$Warehouse Entry] WHERE [Bin Code]<>'SHIPPING' AND [Zone Code] not in ('RETURNS','SHIPPING','RECEIVING') AND [Item No _]=@ItemNo	2.846.497	117.260.088	41	6.724.901.123	2.362
SELECT "Decora_Blind_Systems_Bin_Content"."Location Code", "Decora_Blind_Systems_Bin_Content"."Bin Code", "Decora_Blind_Systems_Bin_Content"."Item No_", ..., "DECORA_Bin_Refills_Boxblinds"."Required" FROM ("DecoraERP"."dbo"."DECORA_Bin_Refills_Boxblinds" "DECORA_Bin_Refills_Boxblinds" INNER JOIN "DecoraERP"."dbo"."Decora Blind Systems\$Bin Content" "Decora_Blind_Systems_Bin_Content" ON "DECORA_Bin_Refills_Boxblinds"."Item No_"="Decora_Blind_Systems_Bin_Content"."Item No_") LEFT OUTER JOIN "DecoraERP"."dbo"."Decora Blind Systems\$Warehouse Entry" "Decora_Blind_Systems_Warehouse_Entry" ON ("Decora_Blind_Systems_Bin_Content"."Item No_"="Decora_Blind_Systems_Warehouse_Entry"."Item No_") AND ("Decora_Blind_Systems_Bin_Content"."Bin Code"="Decora_Blind_Systems_Warehouse_Entry"."Bin Code") WHERE "Decora_Blind_Systems_Bin_Content"."Location Code"='BOXBLIND' AND "Decora_Blind_Systems_Bin_Content"."Zone Code"<>'RETURNS' AND ("Decora_Blind_Systems_Bin_Content"."Bin Type Code"='PICK' OR "Decora_Blind_Systems_Bin_Content"."Bin Type Code"='PICK/PUT' OR "Decora_Blind_Systems_Bin_Content"."Bin Type Code"='PUT') AND NOT ("Decora_Blind_Systems_Bin_Content"."Item No_" LIKE 'SV%' OR "Decora_Blind_Systems_Bin_Content"."Item No_" LIKE 'FW%') ORDER BY "DECORA_Bin_Refills_Boxblinds"."Item No_", "Decora_Blind_Systems_Bin_Content"."Bin Ranking" DESC, "Decora_Blind_Systems_Bin_Content"."Bin Code"	172	64.354.807	374.155	1.057.581.106	6.148.727
SELECT @CountProcessTransaction = COUNT([ProcessTransaction].[ID]) FROM [SerialDetailLine] WITH(NOLOCK) INNER JOIN [ProcessTransaction] WITH(NOLOCK) ON [SerialDetailLine].[id] = [ProcessTransaction].[Serial_id] INNER JOIN [OrderDetail] WITH(NOLOCK) ON [SerialDetailLine].[OrderDetail_id] = @OrderDetailID INNER JOIN [BlindType] WITH(NOLOCK) ON [OrderDetail].[blindtype_id] = [BlindType].[id] INNER JOIN [Blind] WITH(NOLOCK) ON [BlindType].[blind_id] = [Blind].[id] INNER JOIN [Fabric] WITH(NOLOCK) ON [OrderDetail].[fabric_id] = [Fabric].[id] WHERE [SerialDetailLine].[OrderDetail_id] = @OrderDetailID AND [Blind].[code] <> 32 AND [Fabric].[is_carriage] <> 1 --Get count Serial Detail -Line-----	40.770	60.505.433	1.484	9.588.950.972	235.196

Query sorted by Total time	Count	Tot time	Avg time	Tot reads	Avg reads
INSERT INTO [EDIMappingCustomer] (OuterCustCode, OuterCustName) SELECT DISTINCT [EDISenderinformation].[CompAccCode], [EDISenderinformation].[CompanyName] FROM [EDISenderinformation] WHERE [EDISenderinformation].[IsOnline] != 1 -- we don't need mapp online customer AND [EDISenderinformation].[CompAccCode]+' '+[EDISenderinformation].[CompanyName] NOT IN (SELECT DISTINCT [EDIMappingCustomer].[OuterCustCode]+' '+ [EDIMappingCustomer].[OuterCustName] FROM [EDIMappingCustomer]) --Don't need now because online transactions excluding from mapp engine /* --Declare variables----- ----- DECLARE @ID INT, @Code NVARCHAR(50), @Name NVARCHAR(200), @UserID INT DECLARE CurOnline CURSOR FOR SELECT DISTINCT [EDIMappingCustomer].[ID], [EDIMappingCustomer].[OuterCustCode], REPLACE([EDIMappingCustomer].[OuterCustName], '-Online', '') FROM [EDIMappingCustomer] INNER JOIN [EDISenderinformation] ON [EDIMappingCustomer].[OuterCustCode] = [EDISenderinformation].[CompAccCode] AND [EDIMappingCustomer].[OuterCustName] = [EDISenderinformation].[CompanyName] WHERE [EDISenderinformation].[IsOnline] = 1 AND [EDIMappingCustomer].[InnerCustID] IS NULL OPEN CurOnline FETCH NEXT FROM CurOnline INTO @ID, @Code, @Name WHILE @@FETCH_STATUS = 0 BEGIN SET @UserID = NULL SELECT TOP 1 @UserID = [ID] FROM [User] WHERE [User].[sageaccount] = @Code AND [User].[company] = @Name IF @UserID IS NOT NULL UPDATE [EDIMappingCustomer] SET [InnerCustID] = @UserID WHERE [ID] = @ID FETCH NEXT FROM CurOnline INTO @ID, @Code, @Name END CLOSE CurOnline DEALLOCATE CurOnline */ SELECT SUM("SUM\$Quantity") FROM dbo."Decora Blind Systems\$Item Ledger Entry\$VSIFT\$29" WITH(NOEXPAND) WHERE (("Item No_"=@P1)) AND (("Site"=@P2)) AND (("Location Code"<>@P3))	44.486	58.043.282	1.304	44.827.640.794	1.007.679
select @purchase_order = sum([outstanding qty_ (Base)]) from [Decora Blind Systems\$Purchase Line] PL where PL.no_=@code SELECT CASE WHEN [Order].[type] = dbo.Order_CN_Type_Order() OR [Order].[type] = dbo.Order_CN_Type_ArchiveOrder() THEN [Order].[order_id] WHEN [Order].[type] = dbo.Order_CN_Type_Quotations() OR [Order].[type] = dbo.Order_CN_Type_ArchiveQuotations() THEN [Order].[quotation_id] WHEN [Order].[type] = dbo.Order_CN_Type_Credits() OR [Order].[type] = dbo.Order_CN_Type_ArchiveCredits() THEN [Order].[credit_id] END AS [order_id_main], ..., CASE WHEN @IsUseProductionScheduling = 1 AND @IsHiddenRequiredDate = 1 AND [OrderDetail].[ScheduledDate] IS NULL THEN NULL ELSE [Order].[dat_required] END AS [dat_required], [Order].[cust_no], [Order].[is_hold], [Order].[is_hold_cutomer], [Order].[is_remake], [Order].[is_qualitycontrol], [BlindType].[description], CASE WHEN @IsUseSupplierManufactureStatusDesc = 1 AND LEN(ISNULL([DetailStatus].[SupplieStatusDesc], '')) > 0 THEN dbo.fnGetDetailStatusName([OrderDetail].[id], [DetailStatus].[id], @COMPANY_ID) ELSE [DetailStatus].[name] END AS [detailstatus_name], [DetailStatus].[code] as [detailstatus_code], [Measure].[name] as [measure_name], [Order].[isRequiringAuthorisation], CASE WHEN [Order].[type] = dbo.Order_CN_Type_Order() OR [Order].[type] = dbo.Order_CN_Type_ArchiveOrder() THEN [Order].[order_id] WHEN [Order].[type] = dbo.Order_CN_Type_Quotations() OR [Order].[type] = dbo.Order_CN_Type_ArchiveQuotations() THEN [Order].[quotation_id] WHEN [Order].[type] = dbo.Order_CN_Type_Credits () OR [Order].[type] = dbo.Order_CN_Type_ArchiveCredits() THEN [Order].[credit_id] END AS [p_id], [Order].[user_id], ..., [OrderDetail].[IsFabricFromStock], [OrderDetail].[IsQualityChecked], [User].[sageaccount] AS [AccountCode], [RollerTable].[Description] AS [RollerTableDescription], SELECT SUM("Invoiced Quantity"),SUM("Remaining Quantity") FROM "DecoraERP"."dbo"."Decora Blind Systems\$Item Ledger Entry" WITH (READUNCOMMITTED) WHERE (("Item No_"=@P1))	152.109	57.693.664	379	6.225.184.794	40.925
SELECT TOP 1 * FROM "DecoraERP"."dbo"."Decora Blind Systems\$No_Series Line" WITH (UPDLOCK) WHERE (("Series Code"=@P1)) AND (("Starting Date">=@P2 AND "Starting Date"<=@P3)) ORDER BY "Series Code" DESC,"Starting Date" DESC,"Starting No_" DESC,"Line No_" DESC OPTION (OPTIMIZE FOR UNKNOWN)	910.619	55.216.663	60	2.247.189.277	2.467
UPDATE [User_activity] Set [active_time] = GetDate(), [SessionID] = @SessionMainID WHERE [User_activity].[User_id] = @ID SELECT @value1= sum([Qty_ (Base)]) FROM [Decora Blind Systems\$Warehouse Entry] WHERE [Bin Code]<>'SHIPPING' AND [Zone Code] not in ('RETURNS','SHIPPING','RECEIVING') AND [Item No_]=@ItemNo;	8.228	46.565.770	5.659	4.222.698.004	513.210
	2.617.273	45.566.244	17	12.616.071.135	4.820
	49.572	42.090.616	849	742.527	14
	733.610	41.363.047	56	3.182.692	4
	569.496	39.794.887	69	1.994.871.617	3.502

Blocking Queries	Count of Blocks
SELECT "No_","Description" FROM "dbo"."Decora Blind Systems\$Item" WHERE (((NOT(("No_" LIKE 'CUT%')) AND ("Global Dimension 2 Code" > '5000')) AND NOT(("Global Dimension 2 Code" = '6410')) AND ("Discontinued" = 0)) ORDER BY "dbo"."Decora Blind Systems\$Item"."No_"	2,971
SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems\$Value Entry" WITH (UPDLOCK) WHERE ("Item Ledger Entry No_"=@P1) ORDER BY "Item Ledger Entry No_","Entry Type","Entry No_" OPTION (OPTIMIZE FOR UNKNOWN)	690
SELECT COUNT(*) FROM "DecoraERP"."dbo"."Decora Blind Systems\$Warehouse Shipment Line" WITH (READUNCOMMITTED) WHERE ("No_"=@P1)	622
UPDATE "DecoraERP"."dbo"."Decora Blind Systems\$Item Ledger Entry" WITH (REPEATABLEREAD) SET "Included in Usage New"=@P1,"Included in Avg_ weekly Usage"=@P2 WHERE ("Entry No_"=@P3)	619
INSERT INTO "DecoraERP"."dbo"."Decora Blind Systems\$Value Entry" WITH (REPEATABLEREAD) ("Entry No_","Item No_","Posting Date","Item Ledger Entry Type","Source No_","Document No_","Description","Location Code","Inventory Posting Group" "Exclude from Sales Analysis","Agent Code","Fitter Code") VALUES (@P1,@P2,@P3,@P4,@P5,@P6,@P7 @P69,@P70,@P71)	587

Blocked Queries	Count of Blocks
SELECT TOP 1 * FROM "DecoraERP"."dbo"."Decora Blind Systems\$No_ Series Line" WITH (UPDLOCK) WHERE ("Series Code"=@P1) AND ("Starting Date">=@P2 AND "Starting Date"<=@P3) ORDER BY "Series Code" DESC,"Starting Date" DESC,"Starting No_" DESC,"Line No_" DESC OPTION (OPTIMIZE FOR UNKNOWN)	4,389
SELECT TOP 1 * FROM "DecoraERP"."dbo"."Decora Blind Systems\$G_L Entry" WITH (UPDLOCK) ORDER BY "Entry No_" DESC OPTION (OPTIMIZE FOR UNKNOWN)	3,822
select 1 as "CompanyCode", "No_", "Description", "Area of Business" from "Decora Blind Systems\$Item"	2,287
SELECT "timestamp","No_","No_ 2","Description","Search Description","Description 2","Base Unit of Measure","Price Unit Conversion","Inventory Posting Group","Shelf No_","Item Disc_ Group","Allow Invoice Disc_","Statistics Group","Commission Group","Unit Price","Price_Profit Calculation","Profit %","Costing Method"	1,387
SELECT "timestamp","Document Type","No_","Sell-to Customer No_","Bill-to Customer No_","Bill-to Name","Bill-to Name 2","Bill-to Address","Bill-to Address 2","Bill-to City","Bill-to Contact","Your Reference","Ship-to Code","Ship-to Name","Ship-to Name 2","Ship-to Address","Ship-to Address 2","Ship-to City","Ship-to Contact","Order Date","Posting Date","Shipment Date","Posting Description","Payment Terms Code"	989

Call to Action

The project plan for stabilizing and improving performance for the Decora Blind Systems Ltd exists of different phases and will be executed on both hardware and software level. Future performance can only be expected when all different aspects of this project plan are executed.

Hardware

Virtual server

Decora Blind Systems Ltd has opted to build the SQL Server on a virtual infrastructure, in this case based on VMware.

This is a good solution for small to middle-sized environments when set up in the correct way. Due to the abstraction layer of the virtual infrastructure and the system load present from other virtual servers not all performance counters can be measured in the guest OS. An important factor is for example the amount of guest systems on one physical host, which can lead to over-commitment of the present physical resources. For SQL Server environments in a virtual infrastructure it is advised to have as little over-commitment as possible. A second possible impact is the usage of thin provisioning on the storage, leading to assigning data volume only as it is being consumed.

As these and other performance KPI's are not visible from inside the guest OS, this report focusses on the measured performance from inside SQL Server to confirm if these are sufficient.

CPU Usage

CPU often peaks to 40%. There was also a peak to 100% on September 28.

Memory allocation

With a database used size of approximately 240 GB and 136 GB of system memory there is about 15% of the total database cached by the buffer manager (35GBs). At the time of measurement memory buffers used by all databases were 57GBs with target server memory = 65.000MB. Memory allocated to SQL Server is the maximum SQL Server 2008 R2 standard can use. An upgrade to SQL Server 2014 Standard can help, as with this release up to 128 GB buffer memory can be used.

Storage system setup & performance

Tempdb: Average Write times for both data and log files are bad. They range from 30.46ms to 137.92ms.

Note: We consider the following threshold values: 2.5ms for write and 15ms for read.

NAV database data files (1 primary and 2 Data Filegroup 1 files) are stored on drive F. The log is stored on drive D:.

Tempdb is made of 7 data files located on drive C and 1 log file also located on drive C. This is the system drive. We would recommend to assign a separate drive for the Tempdb files (both log and data).

Lock pages in memory

Lock pages in memory is not used. Granting the Lock Pages in Memory user right to the SQL Server service account prevents SQL Server buffer pool pages from paging out by Windows. This setting is useful and has a positive performance impact because it prevents Windows from paging a significant amount of buffer pool memory out of the process, which enables SQL Server to manage the reduction of its own working set.

Setting the Lock Pages in Memory user right is a good performance optimization practice with Tier 1 mission-critical SQL Servers.

Perform volume maintenance tasks

This is currently set to administrators. Instant Initialization is a new feature as of SQL Server 2005 that is based on an NTFS feature that is available as of Windows 2003 Server. It's a feature that's seemingly simple; it allows file allocation requests to skip zero initialization on creation. As a result, file allocation requests can occur instantly – no matter what the file size.

SQL Server can leverage this feature for DATA file requests only; the transaction log must be zero initialized because of its circular nature. To benefit from this feature the SQL Server service account must have been granted the Windows permission – "Perform Volume Maintenance Tasks".

Anti-Virus software

Symantec Endpoint Protection is installed on the server. No exclusions have been defined.

Power Plan

Power Plan setup is "Balanced", should be "High Performance". A test in performance difference is shown below:

Power Plan	Run 1	Run 2	Run 3	Run 4	Average
Power saver	5907	5897	5965	5951	5930
Balanced	6521	6711	6758	6513	6625.8
High Performance	8115	8159	8167	7823	8066

SQL Server

SQL Version & Service Packs

SQL Server is 2008 R2 RTM Standard Edition.

SQL Server 2008 & SQL Server 2008 R2 mainstream support has ended July 2014, after which a final service pack was released for both versions. No further Cumulative Updates will be released for SQL Server 2008 & R2 releases. If Microsoft support is critical, an upgrade to a newer release of SQL Server is recommended.

We advise to make sure these SP & CU are either installed before Windows Updates are installed, or to make sure all SQL Server patches are excluded from the Windows Updates installations, as SQL Server could reboot unexpectedly during the Windows Update deployments if a SQL patch is triggered for installation.

Performance-Oriented Trace Flags

SQL Perform advises to use trace flags 4119 and 1118 at the SQL Server startup.

Trace Flag 4119 was developed specifically for Microsoft Dynamics NAV and enabled recent SQL Server versions to use a query plan similar to SQL Server 2000, leading to a better performance for search operators 'LIKE' and '<' or '>'.

Trace flag 1118 increases the general IO performance by reducing load when creating multiple small tables in the TempDB.

Log fragmentation

The second log file has currently a high fragmentation of 3985 fragments. Having high fragmentation in the log can lead to serious performance degradations. The default log file is created with only few VLF's. Auto-grows on the log file combined with possible shrinking of the file have increased the amount of VLF's considerably.

We recommend working with two log files to remedy the issue and prevent this from re-occurring. The default log file needs to be pre-sized to handle normal work load, for example 8GB. Auto grow needs to be disabled for this file. A second log file is created with a starting size of 1GB and auto grow configured at 1GB with unlimited size instead of the default 10% increments.

With this strategy it is possible to remove the second log file, create a log backup (if FULL recovery is selected) and re-create this file again to resolve internal fragmentation easily if the file has become too large for normal operations due to for example a bulk import/export operation. With just one log file the cleanup procedure is much harder to execute.

There is no benefit from having more than 2 log files, as SQL Server uses circular logging and will only write to one log file at a time.

Backup Compression

Backup compression is enabled.

Maintenance Plan

Create and auto update statistics are enabled for the Navision database. This means that SQL on its own initiative will create and update statistics. That may lead to poor performance by "out of date" statistics and also updating statistics during the day will be leading to poorer performance.

Furthermore, we saw that many tables have fragmented indexes. The effect of this is for queries to take longer time both in retrievals and also in changing or deleting records.

We did not detect a working or enabled maintenance plan configured in SQL Agent. We would advise to set up maintenance based on the Perform-Tools maintenance module to optimize all tables and indexes, leading to a more stable application performance.

Type	Date
Full	7/10/2015 4:39
Full	8/10/2015 4:36
Full	9/10/2015 4:39
Full	10/10/2015 4:17
Full	11/10/2015 4:16
Full	12/10/2015 4:38
Full	13/10/2015 4:34
Full	14/10/2015 4:38

Agent Job Activity:

Name	Enabled	Status	Last Ru...	Last Run	Next Run	Category
[NAVISION2].7	yes	Execu...	Cancell...	11/08/2015 11:02:29	not scheduled	REPL-QueueReader
Agent history clean up: distribution	yes	Idle	Succe...	15/10/2015 09:00:00	15/10/2015 09:10:00	REPL-History Cleanup
Blindata Backup.Subplan_1	yes	Idle	Succe...	15/10/2015 04:00:01	16/10/2015 04:00:00	Database Maintenance
Blindata Bin Location Update	yes	Idle	Succe...	14/10/2015 23:10:00	15/10/2015 23:10:00	[Uncategorized (Local)]
Blindata Set Invoice Printed	yes	Idle	Succe...	15/10/2015 06:30:00	16/10/2015 06:30:00	[Uncategorized (Local)]
CDW_NAV2009_NAVISION2_0	yes	Idle	Failed	17/11/2011 10:30:13	not scheduled	[Uncategorized (Local)]
CDW_NAVISION_NAVISION2_0	yes	Idle	Failed	17/11/2011 10:16:23	not scheduled	[Uncategorized (Local)]
Create Invoice For blindata	yes	Idle	Succe...	15/10/2015 06:00:00	16/10/2015 06:00:00	[Uncategorized (Local)]
Create Invoice For BlinData Dev	yes	Idle	Succe...	15/10/2015 06:00:00	16/10/2015 06:00:00	[Uncategorized (Local)]
Create Invoice For blindata END OF YEAR	yes	Idle	Succe...	23/12/2013 16:32:22	not scheduled	[Uncategorized (Local)]
Decora Test	yes	Idle	Failed	15/10/2015 02:00:00	16/10/2015 02:00:00	[Uncategorized (Local)]
DEFAULT BA Database	no	Idle	Failed	24/09/2014 00:10:00	01/10/2015 00:10:00	[Uncategorized (Local)]
Distribution clean up: distribution	yes	Idle	Succe...	15/10/2015 08:55:00	15/10/2015 09:05:00	REPL-Distribution Cleanup
Expired subscription clean up	yes	Idle	Succe...	15/10/2015 01:00:00	16/10/2015 01:00:00	REPL-Subscription Cleanup
Extract MTM Consignment Nos	yes	Idle	Succe...	15/10/2015 06:47:00	15/10/2015 15:02:00	[Uncategorized (Local)]
Finance Cube	no	Idle	Succe...	01/05/2012 02:00:00	01/10/2015 02:00:00	[Uncategorized (Local)]
GL Cube	yes	Idle	Failed	15/10/2015 02:00:00	16/10/2015 02:00:00	[Uncategorized (Local)]
Import CityLink Consignments Nav	yes	Idle	Succe...	15/10/2015 08:52:00	15/10/2015 09:20:00	[Uncategorized (Local)]
Import DX Consignments Nav	yes	Idle	Succe...	15/10/2015 00:25:00	16/10/2015 00:25:00	[Uncategorized (Local)]
Import Express Consignments Nav	yes	Idle	Succe...	15/10/2015 00:15:00	16/10/2015 00:15:00	[Uncategorized (Local)]
Kitting Info	yes	Idle	Succe...	15/10/2015 08:15:00	15/10/2015 09:15:00	[Uncategorized (Local)]
LSAlert_NAVISION2	yes	Idle	Failed	15/10/2015 09:02:00	15/10/2015 09:04:00	Log Shipping
LSBackup_Blindata	yes	Idle	Succe...	15/10/2015 09:00:00	15/10/2015 10:00:00	Log Shipping
LSBackup_DecoraERP	yes	Idle	Succe...	15/10/2015 09:00:00	15/10/2015 10:00:00	Log Shipping
MTM Profitability Cube	no	Idle	Failed	16/10/2014 02:00:00	01/10/2015 02:00:00	[Uncategorized (Local)]
Nav Backup.Subplan_1	yes	Idle	Succe...	15/10/2015 04:00:01	16/10/2015 04:00:00	Database Maintenance
NAVISION2-Blindata Dev-13	yes	Betwe...	Cancell...	11/08/2015 11:02:29	not scheduled	REPL-LogReader
NAVISION2-Blindata Dev-BlindataDecoraTest-14	yes	Idle	Succe...	14/06/2012 10:22:52	not scheduled	REPL-Snapshot
NAVISION2-Blindata Dev-BlindataDecoraTest-SQL-39	yes	Betwe...	Cancell...	11/08/2015 11:02:29	not scheduled	REPL-Distribution
NAVISION2-Blindata-27	yes	Execu...	Succe...	12/09/2015 23:02:52	not scheduled	REPL-LogReader
NAVISION2-Blindata-Blindata-12	yes	Idle	Unkno...	never	not scheduled	REPL-Snapshot
NAVISION2-Blindata-Blindata-28	yes	Idle	Succe...	05/09/2015 22:28:00	not scheduled	REPL-Snapshot
NAVISION2-DecoraERP-28	yes	Execu...	Succe...	29/09/2015 14:33:36	not scheduled	REPL-LogReader
NAVISION2-DecoraERP-DecoraERP-29	yes	Idle	Succe...	29/09/2015 14:36:34	not scheduled	REPL-Snapshot

Several jobs are failing, below is a report of the errors reported.

Profitability Cube	yes	Idle	Succe...	15/10/2015 02:00:00	16/10/2015 02:00:00	[Uncategorized (Local)]
ReBuild.Subplan_1	yes	Idle	Succe...	10/10/2015 23:00:00	17/10/2015 23:00:00	Database Maintenance
Reinitialize subscriptions having data validation failures	yes	Idle	Unkno...	never	not scheduled	REPL-Alert Response
Re-Org.Subplan_1	yes	Execu...	Succe...	14/10/2015 02:00:00	15/10/2015 02:00:00	Database Maintenance
Replication agents checkup	yes	Idle	Succe...	15/10/2015 09:00:00	15/10/2015 09:10:00	REPL-Checkup
Replication monitoring refresher for distribution.	no	Idle	Unkno...	never	not scheduled	REPL-Alert Response
Reset Nav Job Queue Status	yes	Idle	Succe...	14/10/2015 23:00:00	15/10/2015 23:00:00	[Uncategorized (Local)]
Sales Analysis Cube	yes	Idle	Succe...	15/10/2015 03:45:00	16/10/2015 03:45:00	[Uncategorized (Local)]
syspolicy_purge_history	yes	Idle	Succe...	15/10/2015 02:00:00	16/10/2015 02:00:00	[Uncategorized (Local)]
System DB Backup.Subplan_1	yes	Idle	Succe...	15/10/2015 00:30:00	16/10/2015 00:30:00	Database Maintenance
TEMP - Fix Blindata On Order	yes	Idle	Succe...	15/10/2015 03:45:00	16/10/2015 03:45:00	[Uncategorized (Local)]
TEMP - Nav Shipments Fix	yes	Idle	Succe...	15/10/2015 08:15:00	15/10/2015 09:15:00	[Uncategorized (Local)]
TEMP Fix Weekend Required Date	yes	Idle	Succe...	11/10/2015 23:45:00	18/10/2015 23:45:00	[Uncategorized (Local)]
TEMP Fix Whse Shipment Date	yes	Idle	Succe...	15/10/2015 09:00:00	15/10/2015 09:15:00	[Uncategorized (Local)]
Unflag Kanban OOS	yes	Idle	Succe...	15/10/2015 04:15:00	16/10/2015 04:15:00	[Uncategorized (Local)]
Update ASMs on Blindata	yes	Idle	Succe...	11/10/2015 04:30:00	18/10/2015 04:30:00	[Uncategorized (Local)]
Update Blindata Expected Del Dates	yes	Idle	Succe...	15/10/2015 04:10:00	16/10/2015 04:10:00	[Uncategorized (Local)]
Update Online Boxblind Stock Chart	yes	Execu...	Succe...	15/10/2015 08:00:00	15/10/2015 09:00:00	[Uncategorized (Local)]

Date 15/10/2015 02:00:00
 Log Job History (Decora Test)

Step ID 1
 Server NAVISION2
 Job Name Decora Test
 Step Name Decora Test
 Duration 00:00:01
 Sql Severity 0
 Sql Message ID 0
 Operator Emailed
 Operator Net sent
 Operator Paged
 Retries Attempted 0

Message

Executed as user: DECORA\administrator. Microsoft (R) SQL Server Execute Package Utility Version 10.50.1600.1 for 64-bit Copyright (C) Microsoft Corporation 2010. All rights reserved. Started: 02:00:01 Progress: 2015-10-15 02:00:01.40 Source: Transfer Data (Decora Test) Validating: 0% complete End Progress Progress: 2015-10-15 02:00:01.43 Source: Transfer Data (Decora Test) Validating: 16% complete End Progress Progress: 2015-10-15 02:00:01.43 Source: Transfer Data (Decora Test) Validating: 33% complete End Progress Error: 2015-10-15 02:00:01.46 Code: 0xC0202009 Source: Decora Test Connection manager "Business Analytics" Description: SSIS Error Code DTS_E_OLEDBERROR. An OLE DB error has occurred. Error code: 0x80004005. An OLE DB record is available. Source: "Microsoft OLE DB Provider for SQL Server" Hresult: 0x80004005 Description: "Cannot open database "Decora Test" requested by the login. The login failed.". End Error Error: 2015-10-15 02:00:01.46 Code: 0xC020801C Source: Transfer Data (Decora Test) nSalesAnalysisHistory [22] Description: SSIS Error Code DTS_E_CANNOTACQUIRECONNECTIONFROMCONNECTIONMANAGER. The AcquireConnection method call to the connection manager "Business Analytics" failed with error code 0xC0202009. There may be error messages posted before this with more information on why the AcquireConnection method call failed. End Error Error: 2015-10-15 02:00:01.46 Code: 0xC0047017 Source: Transfer Data (Decora Test) SSIS.Pipeline Description: component "nSalesAnalysisHistory" (22) failed validation and returned error code 0xC020801C. End Error Progress: 2015-10-15 02:00:01.46 Source: Transfer Data (Decora Test) Validating: 50% complete End Progress Error: 2015-10-15 02:00:01.46 Code: 0xC004700C Source: Transfer Data (Decora Test) SSIS.Pipeline Description: One or more component failed validation. End Error Error: 2015-

10-15 02:00:01.46 Code: 0xC0024107 Source: Transfer Data (Decora Test) Description: There were errors during task validation. End Error DTEExec: The package execution returned DTSER_FAILURE (1). Started: 02:00:01 Finished: 02:00:01 Elapsed: 0.438 seconds. The package execution failed. The step failed.

Date 15/10/2015 02:00:00
Log Job History (GL Cube)

Step ID 1
Server NAVISION2
Job Name GL Cube
Step Name GL Cube
Duration 00:00:01
Sql Severity 0
Sql Message ID 0
Operator Emailed
Operator Net sent
Operator Paged
Retries Attempted 0

Message

Executed as user: DECORA\administrator. Microsoft (R) SQL Server Execute Package Utility Version 10.50.1600.1 for 64-bit Copyright (C) Microsoft Corporation 2010. All rights reserved. Started: 02:00:01 Progress: 2015-10-15 02:00:01.33 Source: Transfer Data (Decora Blind Systems) Validating: 0% complete End Progress Progress: 2015-10-15 02:00:01.36 Source: Transfer Data (Decora Blind Systems) Validating: 8% complete End Progress Progress: 2015-10-15 02:00:01.36 Source: Transfer Data (Decora Blind Systems) Validating: 16% complete End Progress Error: 2015-10-15 02:00:01.46 Code: 0xC0202009 Source: GL Cube Connection manager "Business Analytics" Description: SSIS Error Code DTS_E_OLEDBERROR. An OLE DB error has occurred. Error code: 0x80004005. An OLE DB record is available. Source: "Microsoft OLE DB Provider for SQL Server" Hresult: 0x80004005 Description: "Cannot open database "GL Cube" requested by the login. The login failed.". End Error Error: 2015-10-15 02:00:01.46 Code: 0xC020801C Source: Transfer Data (Decora Blind Systems) nG_LEntry [22] Description: SSIS Error Code DTS_E_CANNOTACQUIRECONNECTIONFROMCONNECTIONMANAGER. The AcquireConnection method call to the connection manager "Business Analytics" failed with error code 0xC0202009. There may be error messages posted before this with more information on why the AcquireConnection method call failed. End Error Error: 2015-10-15 02:00:01.46 Code: 0xC0047017 Source: Transfer Data (Decora Blind Systems) SSIS.Pipeline Description: component "nG_LEntry" (22) failed validation and returned error code 0xC020801C. End Error Progress: 2015-10-15 02:00:01.46 Source: Transfer Data (Decora Blind Systems) Validating: 25% complete End Progress Error: 2015-10-15 02:00:01.46 Code: 0xC004700C Source: Transfer Data (Decora Blind Systems) SSIS.Pipeline Description: One or more component failed validation. End Error Error: 2015-10-15 02:00:01.46 Code: 0xC0024107 Source: Transfer Data (Decora Blind Systems) Description: There were errors during task validation. End Error DTEExec: The package execution returned DTSER_FAILURE (1). Started: 02:00:01 Finished: 02:00:01 Elapsed: 0.438 seconds. The package execution failed. The step failed.

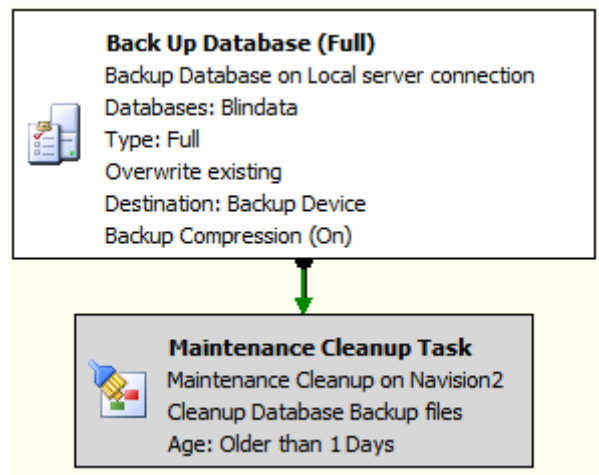
Date 15/10/2015 09:08:00
 Log Job History (LSAlert_NAVISION2)

Step ID 1
 Server NAVISION2
 Job Name LSAAlert_NAVISION2
 Step Name Log shipping alert job step.
 Duration 00:00:00
 Sql Severity 16
 Sql Message ID 14421
 Operator Emailed
 Operator Net sent
 Operator Paged
 Retries Attempted 0

Message

Executed as user: DECORA\administrator. The log shipping secondary database NAVISION2.DecoraERP has restore threshold of 45 minutes and is out of sync. No restore was performed for 1756420 minutes. Restored latency is 0 minutes. Check agent log and logshipping monitor information. [SQLSTATE 42000] (Error 14421). The step failed.

Name	Blindata Backup	
Description		
Subplan	Description	Schedule
Subplan_1		Occurs every day at 04:00:00. Schedule will be us...



Name	Nav Backup	
Description		
Subplan	Description	Schedule
Subplan_1		Occurs every day at 04:00:00. Schedule will be us..

Back Up Database (Full)
 Backup Database on Local server...
 Databases: DecoraERP
 Type: Full
 Overwrite existing
 Destination: Backup Device
 Backup Compression (On)



Maintenance Cleanup Task
 Maintenance Cleanup on navision2
 Cleanup Database Backup files
 Age: Older than 1 Days

Name	ReBuild	
Description		
Subplan	Description	Schedule
Subplan_1		Occurs every week on Saturday at 23:00:00. Sch..

Rebuild Index
 Rebuild index on Local server connection
 Databases: Blindata,DecoraERP
 Object: Tables and views
 5% of free space



Update Statistics
 Update Statistics on Local server conne...
 Databases: Blindata,DecoraERP
 Object: Tables and views
 All existing statistics
 Scan type: Full scan

Name	Re-Org	
Description		
Subplan	Description	Schedule
Subplan_1		Occurs every week on Monday, Tuesday, Wednesday, Thursday, Friday, Saturday at 02:00:00.

Reorganize Index
 Reorganize index on Local server connect...
 Databases: Blindata,DecoraERP
 Object: Tables and views
 Compact large objects



Update Statistics
 Update Statistics on Local server connect...
 Databases: Blindata,DecoraERP
 Object: Tables and views
 All existing statistics
 Scan type: Full scan

Name	System DB Backup	
Description		
Subplan	Description	Schedule
Subplan_1		Occurs every day at 00:30:00.

Back Up Database (Full)
 Backup Database on Local server connect...
 Databases: All system databases
 Type: Full
 Append existing
 Destination: Disk
 Backup Compression (Default)



Maintenance Cleanup Task
 Maintenance Cleanup on Local server connect...
 Cleanup Database Backup files
 Age: Older than 3 Days

Dynamics NAV

Client – Repeatable Read

The diagnostics flag is empty. Microsoft Dynamics NAV should be configured to use the REPEATABLE READ isolation level in Microsoft SQL Server. You can do this by enabling the 4194304 flag in the diagnostics field of the \$ndo\$dbproperty table in the Microsoft Dynamics NAV database.

Application settings

In the application setup we see “Automatic Cost Posting” being used. This pushes the settings through immediately, in addition to the normal booking routines. This leads to a longer booking routine and increases the chances for blocks, deadlocks and timeouts.

We would advise to deactivate the “Automatic Cost Posting” setting. In reports this needs to be taken into account, but should not pose a significant issue as financial reports are mostly created with a fixed end date (up to yesterday).

Allow Find As You Type

This is set to YES. A lot of bad queries point to the “find as you type” feature from the Microsoft Dynamics NAV client. Disabling this feature can help can take away the overhead of firing many similar (bad) queries to the server. Of course this would mean that users have to change the way they work with NAV.

Security Model

The Navision security model is set to enhanced. This means that every user has his own application role. This might slow down the synchronization process of user rights. Setting the security model to standard will not cause any issues with security and speed up the synchronization process.

Indexes

Some tables have a high amount of indexes created. With each new or removed row and all data updates contained in the index these will also need to be changed, increasing the bookings process. Tables with high number of indexes created are “Item” (22 indexes), “Item Ledger Entry” (25 indexes), “Value Entry” (20 indexes). These are also other tables with indexes which were not used during the period of measurement. “Ledger Entry Dimension” with 1 unused index, “G/L Entry” with 6 unused indexes, “Value Entry” with 4 unused indexes, etc. The unused indexes of the top 10 tables lead to 68 million unneeded updates on these indexes. Optimizing the overhead on the Top 10 tables will reduce the overall update workload.

There are quite a few queries with missing indexes on tables “Navimail Entry”, “Warehouse Entry”, “Item Ledger Entry”, “Sunwood Transfer Sheet History”, etc. See paragraphs “Missing Indexes” and “Queries sorted by Total Reads”.

SIFTs

There are “oversifted” tables like “Item Ledger Entry” and “Value Entry”.

There are also unused SIFTs in certain tables. A full checkup of Indexes and SIFTs is advised to reduce the overhead on the system.

Blocks, timeouts & deadlocks

Tables with most blocks are “G/L Entry”, “Warehouse Shipment Header”, “No. Series Line”, “Sales Line” and “Warehouse Entry”. Blocks per day can go up to 727. Average blocks per day (excluding weekends) are 378. On an hourly distribution most blocks occur from 9:00AM to 12:00PM. Blocking leaders are users: “HANNAHMCCANN” and “BOXBLIND”.

With a high amount of blocks on “G/L Entry”, the first step in tuning is to remove all possible overhead on the system, together with the change on ‘Automatic Cost Posting’.

Deadlocks per day go up to 116, on average per day they are 82.

Query analysis

The analysis of top queries shows several important queries that can be optimized, with a high average page read count, either by creating a new or modified index / SIFT. Here are 5 of these queries:

```
SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems$Navimail Entry"
WITH (READUNCOMMITTED)
WHERE (("Date Sent"<=@P1)) AND (("Complete"=@P2))
AND (("Mail To"=@P3 OR "Mail To"=@P4 OR "Mail To"=@P5))
AND (("Priority"=@P6)) AND (("Queue Code"=@P7))
AND (("Queue Type"=@P8)) AND "Date Sent"<@P9
ORDER BY "Date Sent" DESC,"Sequence" DESC
OPTION (OPTIMIZE FOR UNKNOWN)
```

```
SELECT SUM("Invoiced Quantity"),SUM("Remaining Quantity")
FROM "DecoraERP"."dbo"."Decora Blind Systems$Item Ledger Entry"
WITH (READUNCOMMITTED)
WHERE (("Item No_"=@P1))
```

```
SELECT @ReturnValue= sum([Qty_ (Base)]) FROM [Decora Blind Systems$Warehouse Entry]
WHERE [Bin Code]<>'SHIPPING'
AND [Zone Code] not in ('RETURNS', 'SHIPPING', 'RECEIVING')
AND [Item No_]=@ItemNo
```

```
SELECT SUM("SUM$Quantity") FROM dbo."Decora Blind Systems$Item Ledger Entry$VSIFT$29"
WITH(NOEXPAND)
WHERE (("Item No_"=@P1)) AND (("Site"=@P2)) AND (("Location Code"<>@P3))
```

```
SELECT * FROM "DecoraERP"."dbo"."Decora Blind Systems$Navimail Entry"
WITH (READUNCOMMITTED)
WHERE (("Source Document Type"=@P1)) AND (("Source Document No_"=@P2))
AND "Date Sent"<@P3
ORDER BY "Date Sent" DESC,"Sequence" DESC
OPTION (OPTIMIZE FOR UNKNOWN)
```

As the memory pressure is high it is very important to optimizer the query’s by creating proper indexes.