



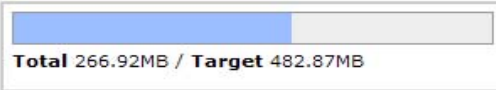
DBTuna for SQL Server



Current Activity Statistics Objects

Host: APSQL1 ?

SQL Server Memory Usage



SQL Cache Memory (KB)	4136.0
Lock Memory (KB)	424.0
Optimizer Memory (KB)	0.0
Connection Memory (KB)	568.0
Granted Workspace Memory (KB)	0.0

Current Sessions

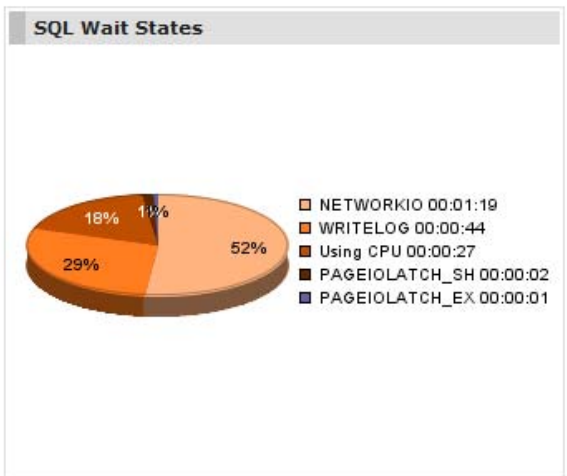
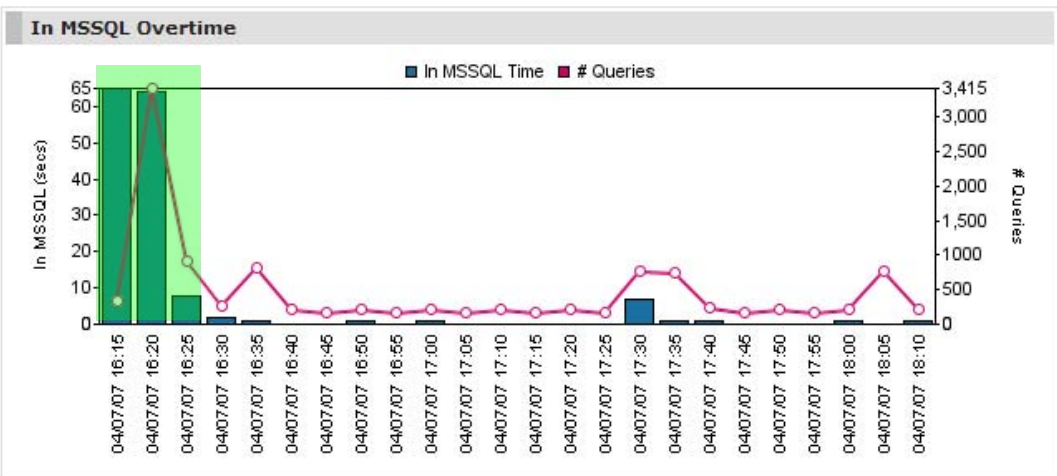
	SPID	Status	Login	HostName	BlkBy	DBName	Command	CPUTime	DiskIO	LastBatch	ProgramName
1	1	sleeping	sa	.	.		LOG WRITER	281	0	06/29 16:19:10	
2	2	BACKGROUND	sa	.	.		LOCK MONITOR	172	0	06/29 16:19:10	
3	3	BACKGROUND	sa	.	.		LAZY WRITER	656	0	06/29 16:19:10	
4	4	BACKGROUND	sa	.	.	master	SIGNAL HANDLER	0	0	06/29 16:19:10	

- **Current screen** shows the sessions currently connected and what they are doing
- It also shows SQL Server memory usage



Current Activity Statistics Objects

Time: Last 2 Hours View: Databases Host: ALL ? Main Admin



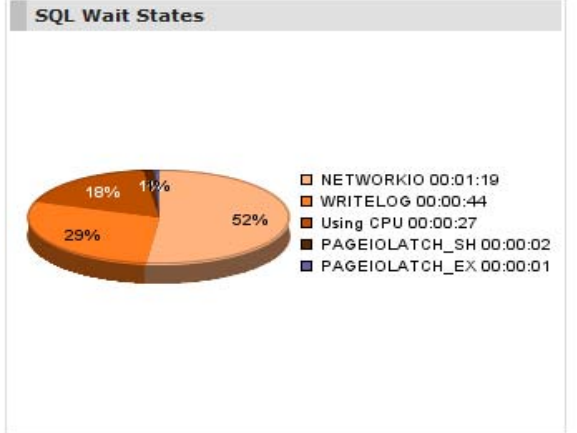
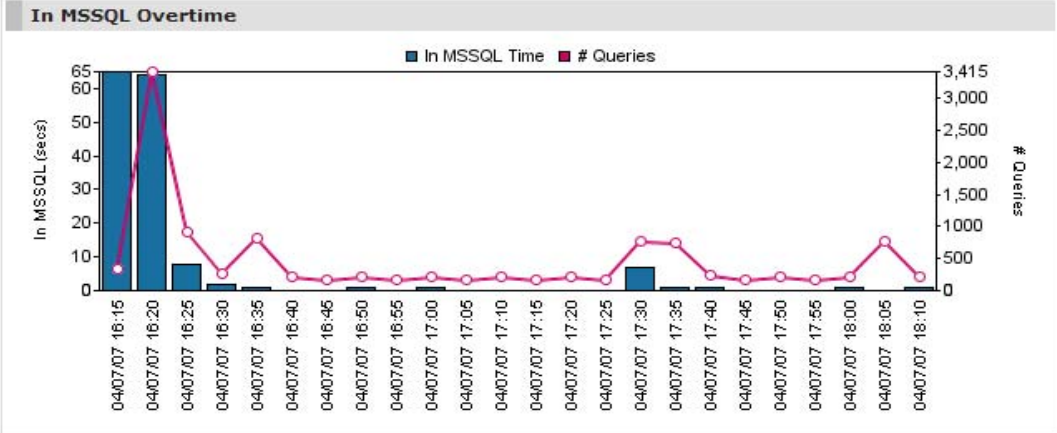
Entity	Resource Consumption	Weighted
SalesLogix_Live	00:02:25	94.77%
master	00:00:06	3.92%
msdb	00:00:02	1.31%
Row Count: 3	00:02:33	

- **Activity screen** shows history of SQL Server activity highlighting spikes of peak activity
- The pie chart shows a breakdown of where the time was spent
- The lower panes shows the resource consumption by database



Current Activity Statistics Objects

Time: Last 2 Hours View: Programs Host: ALL ? Main Admin



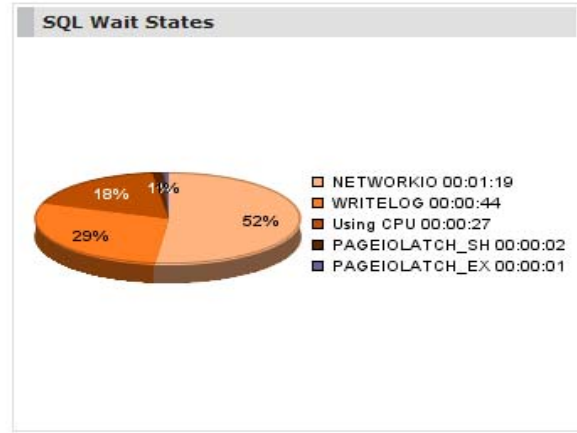
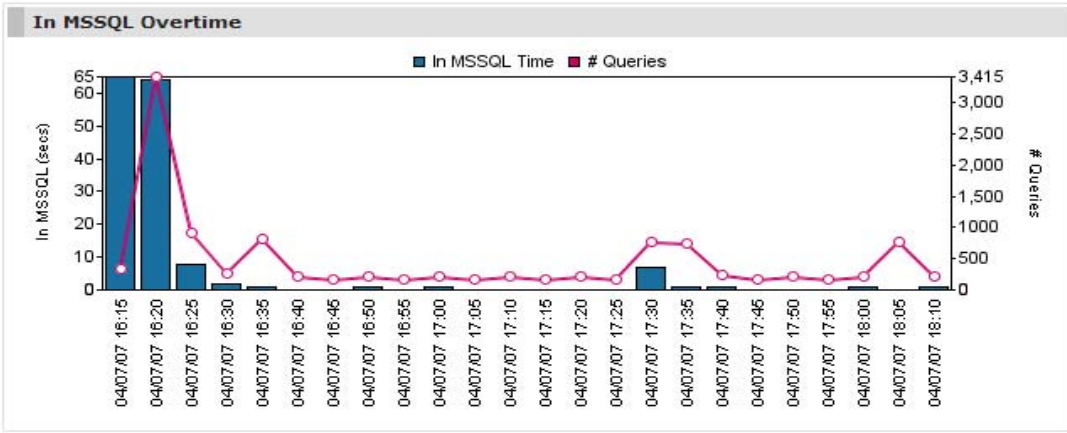
Entity	Resource Consumption	Weighted
MS SQLEM - Data Tools	00:01:17	50.33%
SalesLogix	00:01:06	43.14%
jTDS	00:00:06	3.92%
SQLAgent - Alert Engine	00:00:02	1.31%
MS SQLEM	00:00:01	0.65%
Internet Information Services	00:00:01	0.65%
Row Count: 6	00:02:33	

- The **View** can be changed to show top Programs, Sessions, Users, Hosts or SQL Statements
- Here we see 43% if the activity on our database is Saleslogix while 50% is coming from MS SQLEM (Enterprise Manager)



Current **Activity** Statistics Objects

Time: Last 2 Hours View: SQL Host: ALL ? Main Admin



Entity	Resource Consumption	Weighted
SELECT * FROM sysdba.TICKETACTIVITY	00:00:46	30.07%
SELECT * FROM sysdba.CONTRACT	00:00:31	20.26%
DELETE FROM ADHOCGROUP WHERE (GROUPID='pQF8AA0007O4')	00:00:08	5.23%
-- -- System UDF fn_varbintohexsubstring -- This function takes as input a varbinary, and start offset and length	00:00:05	3.27%
/* Procedure for 8.00 server */ create procedure sp_columns_rowset (@table_name sysname, @table_schema sys.....	00:00:03	1.96%
CREATE PROCEDURE sp_sqlagent_get_perf_counters @all_counters BIT = 0 AS BEGIN SET NOCOUNT ON CREATE TABLE.....	00:00:02	1.31%
(@P1 datetime,@P2 varchar(12),@P3 datetime,@P4 varchar(12),@P5 datetime)UPDATE ACTIVITY SET ALARMTIME = @P1, MODIFYUSER	00:00:02	1.31%
create procedure sp_MShelpcolumns @tablename nvarchar(517), @flags int = 0, @orderby nvarchar(10) = null, @flags2 int =	00:00:01	0.65%

- Drilling down we can see the top SQL Statements
- The top 2 statements account for 50% of all activity
- We can click on the SQL to see the Explain plan

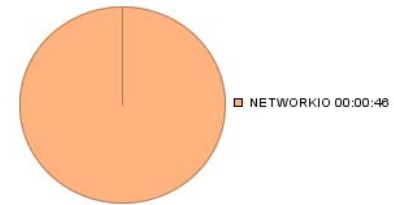


- Current
- Activity
- Statistics
- Objects
- SQL**
- ?

SQL

```
SELECT *  
FROM sysdba.TICKETACTIVITY
```

SQL Wait States



Statement #1 Cost = 0.04461286589503288 (100%)

Explain Plan

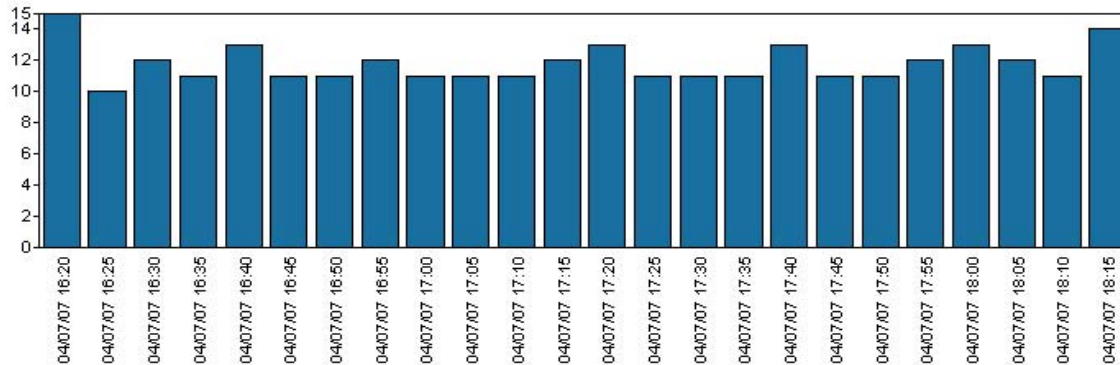
Physical Operation	Statement Text	Estimated Rows	Estimated Executions	Cost	Relative Cost
1	SELECT * FROM sysdba.TICKETACTIVITY	241	0	0.04461286589503288	
Compute Scalar	--Compute Scalar(DEFINE:((TICKETACTIVITY).[ACTIVITYDESC]=[TICKETACTIVITY].[ACTIVITYDESC]))	241	1	0.04461286589503288	
Clustered Index Scan	--Clustered Index Scan(OBJECT:((SalesLogix_Live).[sysdba].[TICKETACTIVITY].[PK_TICKETACTIVITY]))	241	1	0.04458876699209213	

- **SQL Screen** shows the Explain Plan
- It shows that all the time for this statement was spent waiting on Network IO
- It shows the step with the highest cost and the objects accessed



Current Activity **Statistics** Objects

Time Frame: Last 2 Hours Host: ALL ?



User Connections
SQL Server Perf Counter

Statistics		
Server	Variable	Current Value
APSQL1	Active Transactions	0.00
APSQL1	Buffer cache hit ratio	24.00
APSQL1	Data File(s) Size (KB)	7938048.00
APSQL1	Database pages	257801.00
APSQL1	Free pages	10818.00
APSQL1	Full Scans/sec	1244657.00
APSQL1	Index Searches/sec	475607211.00
APSQL1	Log File(s) Size (KB)	294464.00

- **Statistics Screen** shows the an SQL Server statistics
- They may be graphed over time to see the history



- Current
- Activity
- Statistics
- Objects

Host: APSQL1

- Databases
 - master
 - model
 - msdb
 - Northwind
 - pubs
 - SalesLogix_Eval
 - SalesLogix_Live
 - ACCOUNT
 - ACCOUNTINGSYSINFO
 - ACCOUNTPRODUCT
 - ACCOUNTSUMMARY
 - ACT_USERDEF
 - ACTIVITY
 - ADDRESS
 - ADHOCGROUP
 - ADMINROLES
 - AGENTS
 - ALERT
 - ALERTNOTIFY
 - AREACATEGORYISSUE
 - ASSOCIATION
 - ATTACHMENT
 - BRANCHOPTIONS
 - CALCULATEDFIELDDATA
 - CAMPAIGN
 - CAMPAIGNCONTACT
 - CAMPAIGNTASK
 - COMPETITOR
 - CONCURRENTUSER
 - CONTACT
 - CONTACT_LEADSOURCE
 - CONTACTEXTENSION
 - CONTACTLINK
 - CONTACTRESPONSE
 - CONTRACT



Database Info

DB	Size	Owner	DB ID	Created	Status
master	17.63 MB	sa	1	Aug 6 2000	Status=ONLINE, Updateability=READ_WRITE, UserAccess=MULTI_USER, Recovery=SIMPLE, Version-Collation=SQL_Latin1_Gene, SQLSortOrder=52, IsTornPageDetectionEnable, IsAutoCreateStatistics, IsAutoUpdateStatistics
model	2.88 MB	sa	3	Aug 6 2000	Status=ONLINE, Updateability=READ_WRITE, UserAccess=MULTI_USER, Recovery=SIMPLE, Version-Collation=SQL_Latin1_Gene, SQLSortOrder=52, IsTornPageDetectionEnable, IsAutoCreateStatistics, IsAutoUpdateStatistics
msdb	22.75 MB	sa	4	Aug 6 2000	Status=ONLINE, Updateability=READ_WRITE, UserAccess=MULTI_USER, Recovery=SIMPLE, Version-Collation=SQL_Latin1_Gene, SQLSortOrder=52, IsTornPageDetectionEnable, IsAutoCreateStatistics, IsAutoUpdateStatistics

■ **Objects Screen** shows all the tables, columns and indexes in the database

