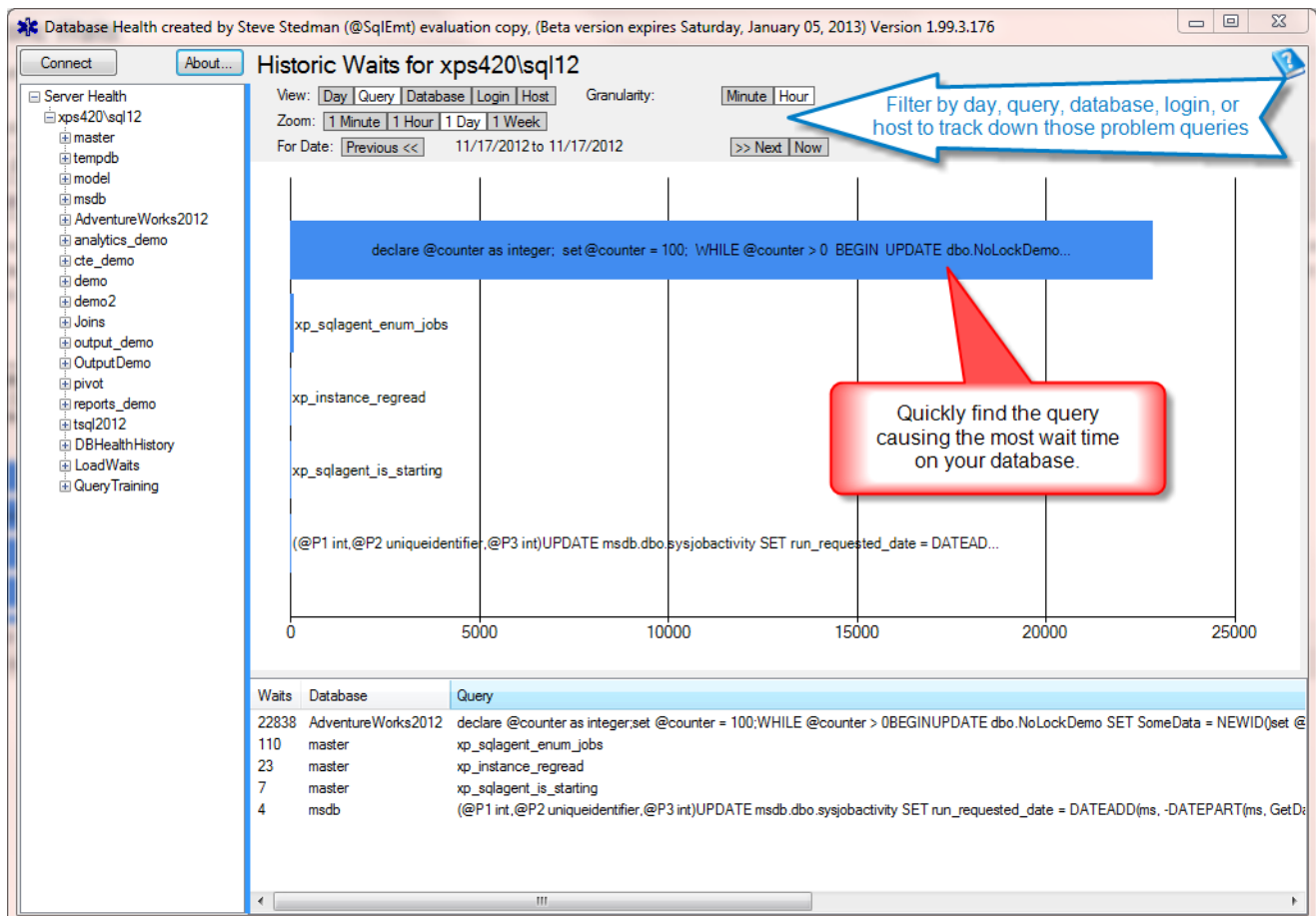# Historic Waits

The Historic Waits reports may be the most valuable part of the entire Database Health Reports Project. With the historic waits reporting you can track down not just what your system is waiting on now, but also what it may have been waiting on yesterday, or the day before. Once the monitoring is installed you can find the more serious wait problems on your SQL Server, track them down and fix them.

All you need to do is install a database to track the historic data, then tell the system what instance to monitor, then let it run.   Shifting this reporting into a database of its own reduced the amount of load on your production databases and has very little impact on the overall system performance. Once you have your monitoring database set up, then let it run, depending on the number of waits your server is experiencing, this may take an hour or two to see results, or it may take a day or two.
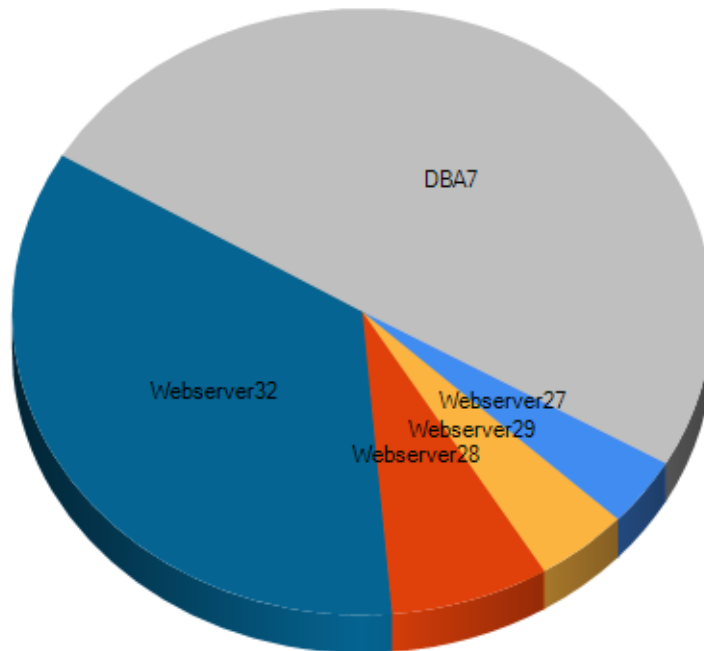

In just a few clicks you can drill down on the biggest performance problems, find the query that is causing it and get a better understanding of why it is causing a wait.
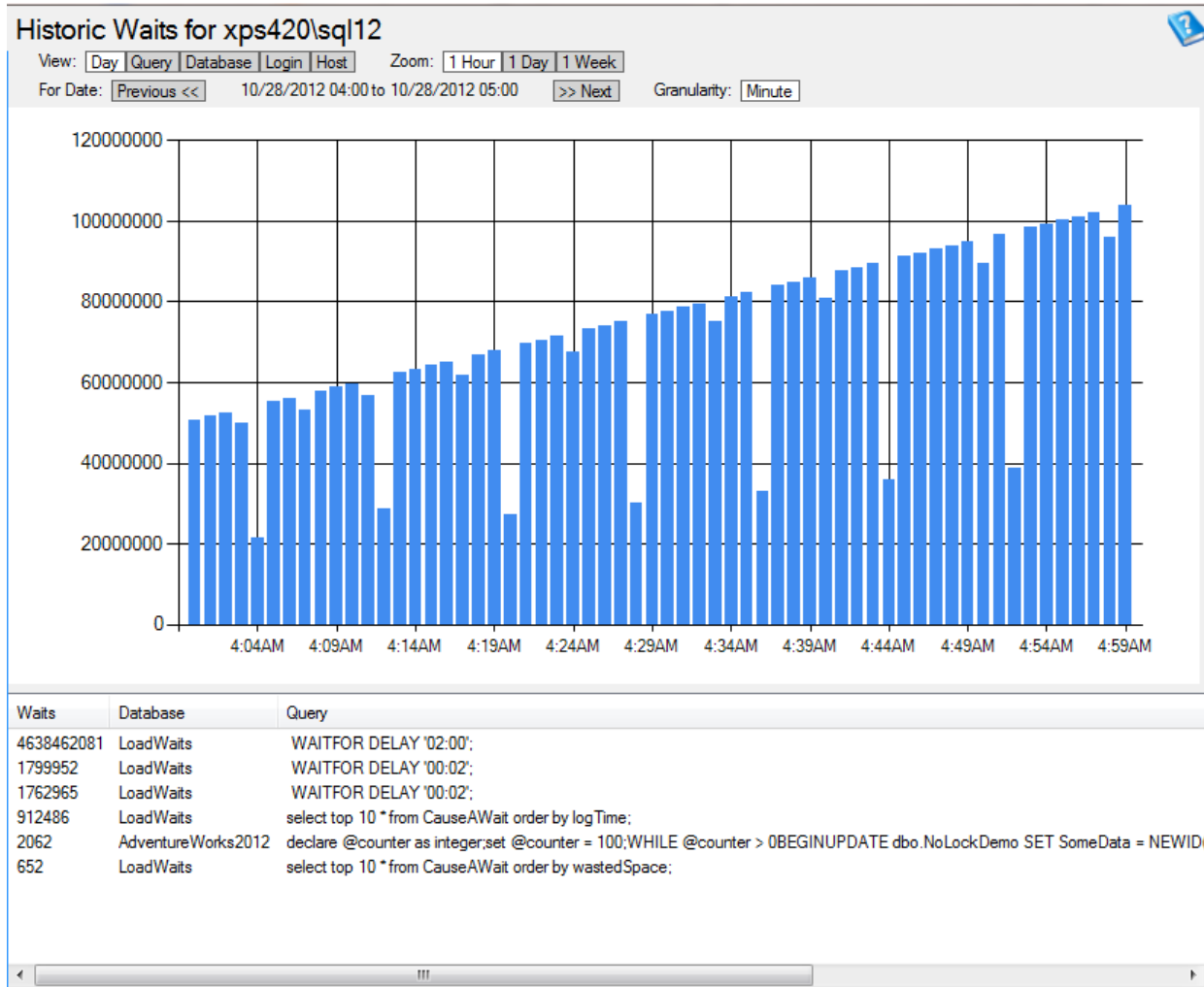
Historic waits by host

Historic Waits for xps420\sql12

View: | Day | Query | Database | Login | Host | Zoom: | 1 Hour | 1 Day |

For Date: | Previous << | 10/27/2012 to 10/27/2012 | >> Next | Granularity: | Minute | Hour |

Waits	Database	Query
147104	LoadWaits	select top 10 * from CauseAWait order by logTime;
100630	LoadWaits	select top 10 * from CauseAWait;
70460	LoadWaits	select top 10 * from CauseAWait order by testguid;
54107	LoadWaits	select top 10 * from CauseAWait order by wastedSpace;
11970	LoadWaits	select top 10 * from CauseAWait;
6634	LoadWaits	select top 10 * from CauseAWait;
4132	LoadWaits	select top 10 * from CauseAWait;
3852	LoadWaits	--select * from [dbo].causeAWait;--go update [dbo].[CauseAWait] set testGUID = newid();
23	LoadWaits	set statistics io on;INSERT INTO [dbo].[CauseAWait] ([testGUID]) VALUES (newid());

This next one shows the waits that were recorded over 1 hour shown in minute by minute intervals.

Historic Waits for xps420\sql12

View: Day | Query | Database | Login | Host   Zoom: 1 Hour | 1 Day | 1 Week

For Date: Previous <<   10/28/2012 04:00 to 10/28/2012 05:00   >> Next   Granularity: Minute

Waits	Database	Query
4638462081	LoadWaits	WAITFOR DELAY '02:00';
1799952	LoadWaits	WAITFOR DELAY '00:02';
1762965	LoadWaits	WAITFOR DELAY '00:02';
912486	LoadWaits	select top 10 * from CauseAWait order by logTime;
2062	AdventureWorks2012	declare @counter as integer;set @counter = 100;WHILE @counter > 0BEGINUPDATE dbo.NoLockDemo SET SomeData = NEWID(
652	LoadWaits	select top 10 * from CauseAWait order by wastedSpace;

What I see from this report is that between 4:00am and 5:00am there was something running which caused the waits to increase dramatically during that hour.