

SQL SATURDAY 118 – MADISON, WI

performance enhanced laziness



making you more attractive
without making you sweat.

LINKS

thessqlagentman.com/go/lazy



VLFs

[Kimberly Tripp](#)

SSIS DBA Repository

[Rodney Landrum](#)

sp_whoisactive

[Adam Machanic](#)

maintenance solution

[olahalengren.com](#)

AGENDA



a good breakfast



routine exercise



watch that *waste*-line



performance

MY COFFEE REPORTS



new database report



sql agent job failures report



backup failures report



log backup report



database file space report

NEW DATABASES

New SQL Databases Report

Instance	Database	Recovery
DVNCSNSS02	REDACTED	SIMPLE
SQB02ONE02		FULL
SQB08RPD01		FULL
SQB08RPD01		FULL
DCMCAMSA05		FULL
EVSQ LSSL01		SIMPLE
EVSQ LSSL01		SIMPLE
DVSACSSC03		SIMPLE
EVSQ LSSL01		SIMPLE

- instance name
- database
- recovery model

SQL SERVER AGENT JOB FAILURES

SQL SERVER FAILED SQL AGENT JOBS REPORT							
Instance	Category	Enabled	Last Run	Last Run Date	Duration	Time	
<u>DVFIMFSM10 - 10.0.2531.0 - SP1</u>							
syspolicy_purge_history	[Uncategorized (Local)]	Yes	Failed	20120409	58	02:00:00 A	
<u>DVSRSSSS01 - 10.0.4064.0 - SP2</u>							
BOT_Index_Tuning	Tuning and Optimization	Yes	Failed	20120409	1	02:00:00 A	

- instance name
- job name
- job category
- is the job enabled or not?
- last run status, time, and duration

FULL DATABASE BACKUP FAILURES

SQL SERVER BACKUP EXCEPTION REPORT - DATABASE BACKUPS

Database Name	Latest Database Backup	Aging (hours)	Recovery	Notes
msdb	4/8/2012 5:00:39 PM	53	FULL	
OperationsManager	4/8/2012 5:01:51 PM	53	FULL	
OperationsManagerDW	4/8/2012 5:16:53 PM	53	FULL	
ReportServer	4/8/2012 5:16:53 PM	53	FULL	
DCSRSSSS02				
idBA	4/8/2012 5:03:09 PM	53	FULL	
master	4/8/2012 12:00:02 PM	58	FULL	
msdb	4/8/2012 12:00:08 PM	58	FULL	
ReportServer	4/8/2012 5:03:05 PM	53	FULL	

- instance name
- database name
- date of last backup finish to completion
- how many hours since the last backup was cut
- recovery model
- any stored notes about the backup/database process

TRANSACTION LOG BACKUP FAILURES

SQL SERVER BACKUP EXCEPTION REPORT - TRANSACTION LOG BACKUPS

Database Name	Latest Log Backup	Aging (hrs)	Log File (Mb)	Notes
XCL\XARNST				
REDACTED	4/9/2012 7:45:02 PM	27	1296	
			448	
			48	
			248	
	4/9/2012 7:45:03 PM	27	4296	
	4/9/2012 7:45:03 PM	27	2352	

- instance name
- database name
- date of last backup finish to completion
- how many hours since the last backup was cut
- transaction log file size
- any stored notes about the backup/database process

DATABASE FILE SPACE FORECASTING

Server	Database	Logical File Name	Physical File Name	File Type	Current File Size (mb)	Size Change (mb)	Current Used (mb)	Previous Used (mb)	Free Space (mb)	Free Space (%)	Drive Free Space (mb)
DCCECCSC03											
	R	REDACTED		Data	7168	0	7035	7016	133	1	230083
DCNC SHIVCH											
	R			Data	4096	0	3811	3697	285	6	75846
LCVDBVSB02											
	m			Data	1	0	1	1	0	0	169654
LVLWSLSS01											
	L			Data	82944	0	82852	82852	92	0	152129
	L			Data	112640	0	107565	107565	5075	4	152129
	L			Data	71680	0	71025	71025	655	0	152129
	L			Data	77824	0	76053	76053	1771	2	152129
SMB02ONE02											
	S			Data	1	0	1	1	0	0	33741
SQB01LQB01											
	C			Data	33792	0	31802	31781	1990	5	66450
SQB05LQB01											
	L			Data	112640	0	109707	109707	2933	2	379372
	L			Data	77824	0	76904	76904	920	1	379372
SQB07ScL01											
	E			Data	1561600	0	1558561	1557740	3039	0	945153

- physical identifiers (server, database, file names)
- date of last backup finish to completion
- how many hours since the last backup was cut
- transaction log file size
- any stored notes about the backup/database process

AGENDA



a good breakfast



routine exercise



watch that *waste*-line



performance

ROUTINE EXERCISE



templates



operationalizing security



make msdb your bi....



server configs in minutes

TEMPLATES



... things are
looking up!

OPERATIONALIZING SECURITY



OPERATIONALIZING SECURITY



msdb... more than meets the eye

SERVER CONFIGURATIONS IN MINUTES



... without smoke and mirrors

AGENDA



a good breakfast



routine exercise

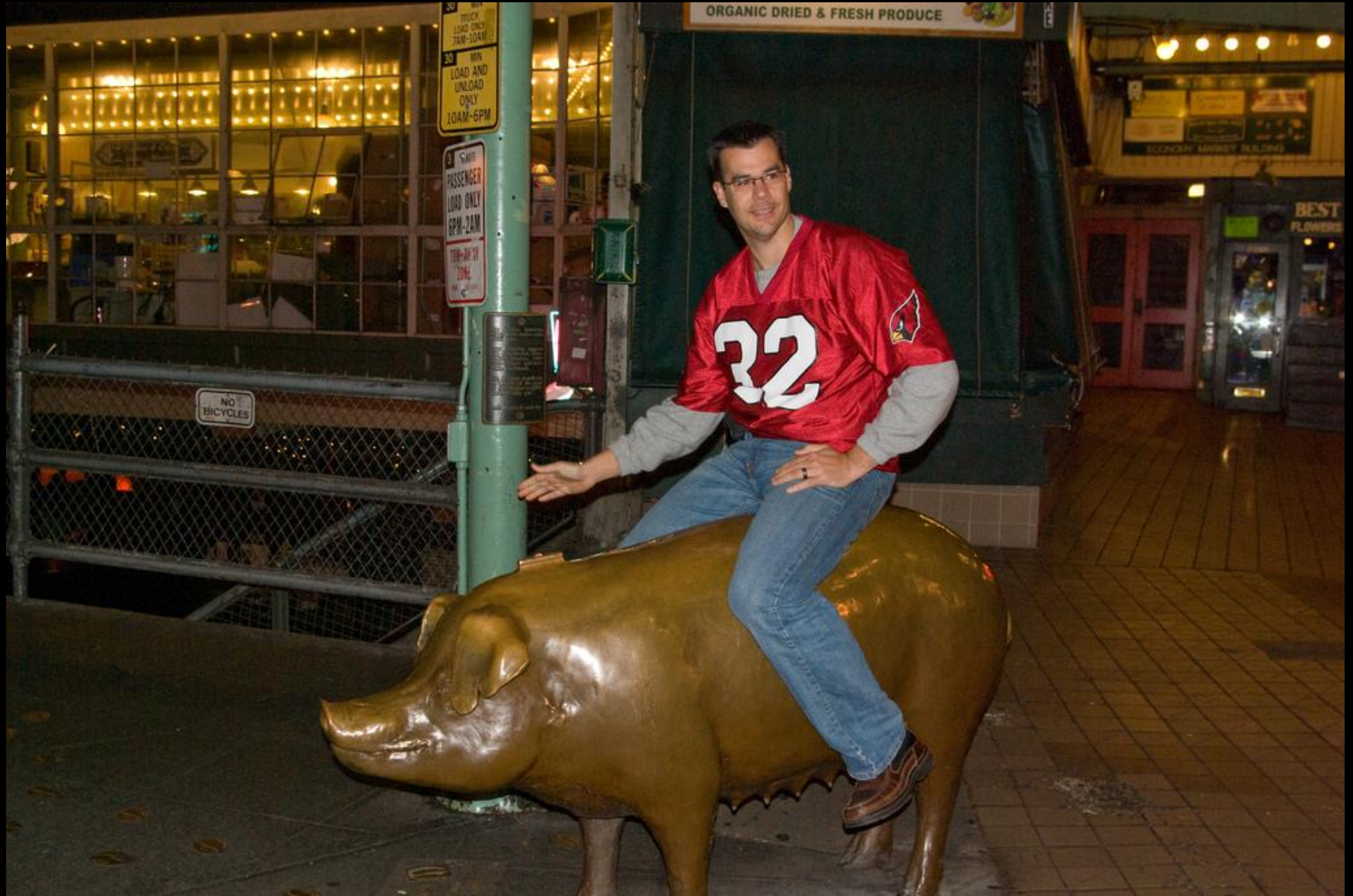


watch that *waste*-line



performance

WATCH THAT WASTE-LINE



...trim the pork from those databases

AGENDA



a good breakfast



routine exercise



watch that *waste*-line



performance

PERFORMANCE



... because this is what it looks like inside your SQL server

ABOUT ME



achievements



B-Side Consulting



theSQLAgentMan.com

consulting







writing



working

 AZO_2012_PROD SQL Server 11.00.2100.60 – WIN7\tim_ford

 Databases


-  System Databases
-  Database Snapshots
-  SQL_Agent_Man
-  SQL_Cruise

 Security

 Server Objects


 Replication


 Management

 SQL Server Agent

 AZO_2012_FOO SQL Server 11.00.2100.60 – WIN7\tim_ford

 SEA_2012_CRUISE SQL Server 11.00.2100.60 – WIN7\tim_ford

 PDX_2008R2_DEV SQL Server 10.50.2500 – WIN7\tim_ford

 AZO_2008_DEV SQL Server 10.00.5500 – WIN7\tim_ford

REGISTERED
SERVERS

OBJECT
EXPLORER

TEMPLATE
EXPLORER

FIND AND
REPLACE

SOLUTION
EXPLORER

PROPERTIES

SQLQuery42.sql...t connected

SQLQuery42sql...tim_ford(122)

SQLQuery41.sql...tim_ford(18)

SQLQuery43.sql...

```
1 EXEC sp_whoisactive
2     @filter = 'SQL_Cruise',
3     @filter_type = 'database';
4 GO
```

Messages

A transport-level error has occurred when sending the request to the server. (provider: TCP Provider, error: 0 – An existing connection was forcibly closed by the remote host)

 Disconnected