S1 No	General point	/ Comments	Fix / Solution.
26	To get the index_defrag mentation values for all the indexes in the specified database represented by the DBID parameter.	ANY SQL INSTANCE	<pre>Use master GO SELECT ip.database_id, ip.OBJECT_ID, ip.index_id, b.name, ip.avg_fragmentation_in_percent FROM sys.dm_db_index_physical_stats (DB_ID(<dbname>), NULL, NULL, NULL, NULL) as ip INNER JOIN sys.indexes as i ON ip.OBJECT_ID = i.OBJECT_ID AND ip.index_id = i.index_id WHERE ip.database_id = DB_ID(<dbname>) ORDER BY ip.OBJECT_ID GO</dbname></dbname></pre>
			Query giving more details like Table name, Index Type etc. SELECT tbl.[name] TableName, ind.[name] IndexName, mn.index_type_desc IndexType,

		<pre>mn.avg_fragmentation_in_percent [FRAG_%] FROM sys.dm_db_index_physical_stats (null, null, null, null, null) as mn inner join sys.tables tbl on tbl.[object_id] = mn.[object_id] inner join sys.indexes ind on ind.[object_id] = mn.[object_id] WHERE [database_id] = db_id(<dbname>) ORDER BY mn.avg_fragmentation_in_percent DESC</dbname></pre>
27	Query	SELECT DB_NAME (database_id), * FROM sys.dm io virtual file stats (2,1)
	related to io wait stats collection	SELECT * FROM sys.dm_os_waiting_tasks SELECT ot.waiting_task_address, ot.session_id, [text] FROM sys.dm_os_waiting_tasks ot
		<pre>inner join sys.dm_exec_requests er ON ot.session_id = er.session_id cross apply sys.dm_exec_sql_text(sql_handle) cross apply sys.dm_exec_query_plan(plan_handle) WHERE ot.session_id > 50</pre>

0.0		CELECE of colition to all colins
28	Script to	SELECT wt.waiting_task_address,
	see the	
	currently	wt.session_id,
	running code	[text]
	and its	[text]
	related	FROM sys.dm os waiting tasks OT
	analysis.	Thor sys.am_os_wareing_casks or
	anarysis.	inner join sys.dm exec requests er ON
		ot.session id = er.session id
		00.36331011_10 - 61.36331011_10
		cross apply
		sys.dm exec sql text(sql handle)
		sys.um_exec_sqr_text(sqr_nandre)
		cross apply
		sys.dm exec query plan(plan handle)
		sys.um_exec_query_pram(pram_manure)
		WHERE wt.session id > 50
29.	Query to get	SELECT * FROM
a	the session	
	related	sys.dm exec sessions WHERE
		is user process = 1
	statistics	_ _
	including	AND writes > 0
	the CPU ,	
	I\O etc.	
		For average values
		SELECT AVG(cpu_time) as
		"CPU_Time", AVG (memory_usage) as
		<pre>"Memory_Usage",AVG(logical_reads) as</pre>
		"Logical Reads", AVG(total scheduled tim
		e) as
		"Total Scheduled Time", AVG (total elapse
		d time) as "Elapsed Total Time"
		a_crue, as prapsed rocar true
		FROM sys.dm exec sessions WHERE
		is_user_process = 1
		AND writes > 0

29.	Queries to	• From query stats dmv below , pick
b	get the info	the required sqlhandle against
	on query	the required database and supply
	specific to	it as a parameter to the
	a database.	<pre>dm_exec_sql_text(sqlhandle)</pre>
		SELECT * FROM sys.dm exec query stats
		being: From sys.um_exce_query_scaes
		SELECT * FROM sys.sysdatabases
		SELECT * FROM sys.dm exec connections
		1 * <i>G</i>
		select * from
		sys.dm_exec_sql_text(sqlhandle)
		SELECT * FROM
		sys.dm_exec_sql_text(0x0300FF7F714B96F9
		27335101F39F000001000000000000000000000000000
		000000000000000000000000000000000000000
30	Query to	Example
	check	
	fragmentatio	
	n in all the	USE master;
	indexes on	
	all the	GO
	tables on	
	all the	SELECT
	databses on	b.name,c.name,ps.avg_fragmentation_in_p
	an SQL	ercent FROM
	Server.	sys.dm_db_index_physical_stats
		(NULL, NULL, NULL, NULL,
		'DETAILED') AS PS

		<pre>INNER JOIN sys.indexes AS b ON ps.OBJECT_ID = b.OBJECT_ID AND ps.index_id = b.index_id AND ps.avg_fragmentation_in_percent > 30 INNER JOIN sys.databases as c ON c.database_id = ps.database_id GO</pre>
31	Link between the table and index's master table.	<pre>EXEC sp_MSforeachdb 'USE ? select ''?'' as DatabaseName, st.name as TableName, si.name as IndexName from sys.indexes si inner join sys.tables st ON si.object_id = st.object_id WHERE si.name LIKE ''%INDEXNAME%'''</pre>
32	Solution for logical consistency based error (torn-page) in an mdf file.	EXEC sp_resetstatus <dbname> ; ALTER DATABASE <dbname> SET EMERGENCY DBCC CHECKDB('<dbname> ') ALTER DATABASE <dbname> SINGLE_USER WITH ROLLBACK IMMEDIATE DBCC CHECKDB ('<dbname> ', REPAIR_ALLOW_DATA_LOSS) ALTER DATABASE yourDBname SET MULTI_USER</dbname></dbname></dbname></dbname></dbname>
33	To check the kind of index on the corrupted page and then restore the torn page	DBCC TRACEON (3604, -1) GO DBCC PAGE('yourdb', 1, 45242, 3) GO Output:

	from a	Metadata: IndexId = n
	backup set.	
		If n is greater than 1 it is a non- clustered index which can be dropped
		and recreated. If n is 0 or 1 you have
		data corruption and need to perform one
		of the options described below.
		of the options described below.
		Restoring from a backup
		If the recovery model is FULL (or
		BULK LOGGED, with some limitations),
		backup the tail of the log, perform a
		DB restore (with norecovery) from the
		last full backup log backups in
		chronological order and finally the
		tail of the log.
		To restore on a single bad page , you
		have the option restoring only the bad
		pages as below:
		RESTORE DATABASE yourdb PAGE = '1:45242
		rear and the rear
		<pre>FROM DISK = 'C:\DBpathfile.bak'</pre>
		WITH NORECOVERY
34	When you	ALTER DATABASE <database_name> SET</database_name>
	need to	PARTNER FORCE_SERVICE_ALLOW_DATA_LOSS
	force	
	failover to	
	the mirrored	
	server in	
	case the	
	principle is	
	not	
	available	

	you can issue this.	
35	To enable mirroring on an SQL server.	If you want to start testing database mirroring in SQL Server 2005 and later, you will need to enable a trace flag on your SQL Server 2005 instance. To do so, you will need to modify the start-up flags for the SQL Server executable and add the following option: -T1400. Please note that the -T is case sensitive and must be uppercase.
		To add this start-up option to the SQL Server 2005 executable, you can use the SQL Server Configuration Manager tool from the Configuration Tools program sub-group in the SQL Server 2005 program group, Under SQL Server Services, right-click on the SQL Server service you want to enable Database Mirroring on and then on the Advanced tab and modify the Startup Parameters value to add -T1400 to the list of parameters. Make sure to separate any new parameters by a semi-colon (;). Stop and re-start your SQL Server service to enable this option.
		After doing so you will be able to configure database mirroring for any of your user databases by right-clicking on the database or by using a script.