

Training Kit (Exam 70-462): Administering Microsoft® SQL Server® 2012 Databases

Orin Thomas, Peter Ward, and boB Taylor

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To ensure the ongoing accuracy of this book and its companion content, we've reviewed and confirmed the errors listed below. If you find a new error, we hope you'll report it to us on our website: www.microsoftpressstore.com/contact-us/errata.

Page	Location	Description	Date corrected
ii	"Objective Maps" section	Reads: Manage and configure databases. 3 3 Should read: Manage and configure databases. 3 2	2/8/2013
xxii	"Prepare Fourth Member Server" section, step 2	Reads: Log on to the third computer Should read: Log on to the fourth computer	10/19/2012
xxiii	Second line	Reads: 10.10.10.40 Should read: 10.10.10.60	10/19/2012
3	Third sentence	Reads: Windows Vista SP2 x86 is a 32-bit operating system that supports only the x86 versions of SQL Server 2012 Developer and SQL Server 2012 Express editions. Should read: Windows Vista SP2 x86 is a 32-bit operating system that supports only the x86 versions of SQL Server 2012 Developer, SQL Server 2012 Standard, and SQL Server 2012 Express editions.	2/25/2015
18	Thirteenth bulleted item	The following bulleted item should be deleted: SQL Client Connectivity SDK	5/24/2013
19	Line 6	Reads: contso Should read: contoso	10/19/2012

Page	Location	Description	Date corrected
23	"Lesson Summary" section	<p>Reads: SQL Server 2012 Enterprise, Business Intelligence, and Web editions of SQL Server 2012 can be run only on Windows Server 2008 R2 SP1 and Windows Server 2008 SP2 operating systems using SQL Server 2012 Datacenter, Enterprise, Standard, and Web</p> <p>Should read: SQL Server 2012 Enterprise, Business Intelligence, and Web editions can be run on the Windows Server 2008 R2 SP1 and Windows Server 2008 SP2 operating system.</p>	10/19/2012
24	"Lesson Summary" section	<p>Reads: EMT54</p> <p>Should read: EMT64</p>	10/19/2012
34	First paragraph	<p>Reads: ...to install the SQL Server Database Engine, Replication, and Full-Text Search features...</p> <p>Should read: ...to install the SQL Server Database Engine, Replication, Data Quality Server and Full-Text Search features...</p>	10/19/2012
38	First sentence	<p>Reads: You can use the Setup.com...</p> <p>Should read: You can use the Setup.exe...</p>	10/19/2012
43	Table 1-4, Item Column, fifth row	<p>Reads: SQP Server</p> <p>Should read: SQL Server</p>	10/19/2012
47	Step 9	<p>Reads: Database Engine Configuration page shown in Figure 1-29,</p> <p>Should read: Server Configuration page shown in Figure 1-29,</p>	2/8/2013
47	Steps 8 and 9	<p>Reads: 8. On the Server Configuration page, accept the default Service Accounts settings. 9. On the Server Configuration page shown in Figure 1-29, click Add Current User and ensure that Windows Authentication Mode is selected.</p> <p>Should read: 8. On the Server Configuration page shown in Figure 1-29, accept the default Service Accounts settings. 9. On the Database Engine Configuration page, click Add Current User and ensure that Windows Authentication Mode is selected.</p>	2/25/2015

Page	Location	Description	Date corrected
49	Exercise 4 description	<p>Reads: In this exercise, you add features to the existing SQL Server 2012 instances on servers SQL-A and SQL-B.</p> <p>Should read: In this exercise, you add features to the existing SQL Server 2012 instance on server SQL-B.</p>	5/24/2013
52	Fifth bullet item	<p>Reads: You can add features to an existing installation by using Windows Explorer, by using Setup.exe from the command line, or by invoking SQL Server Setup through SQL Server Installation Center.</p> <p>Should read: You can add features to an existing installation by using Setup.exe from the command line, or by invoking SQL Server Setup through SQL Server Installation Center.</p>	5/24/2013
56	First question	<p>Reads: What is the minimum recommended amount of RAM for SQL Server 2012 Enterprise?</p> <p>Should read: What is the minimum required amount of RAM for SQL Server 2012 Enterprise?</p>	2/25/2015
64	Above Figure 2.2	<p>Reads: When SQL Server 2012 is run on a 32-bit operating system, the lowest minimum memory value you can allocate is 64 MB</p> <p>Should read: When SQL Server 2012 is run on a 32-bit operating system, the lowest maximum memory value you can allocate is 64 MB</p> <p>Reads: If SQL Server 2012 is run on a 64-bit operating system, the lowest minimum memory value you can allocate is 128 MB</p> <p>Should read: If SQL Server 2012 is run on a 64-bit operating system, the lowest maximum memory value you can allocate is 128 MB</p>	10/19/2012
65	End of page, start of next page	<p>Reads: EXEC sys.sp_configure 'max server memory', 4096;</p> <p>Should read: EXEC sys.sp_configure 'max server memory', 8096;</p>	10/19/2012
79	Question 2	<p>Reads: ...instance uses does not exceed 4,096 GB?</p> <p>Should read: ...instance uses does not exceed 4,096 MB?</p>	2/8/2013

Page	Location	Description	Date corrected
85	Last sentence	Reads: <package_name>.exe /sq Should read: <package_name>.exe /qs	10/19/2012
88	"Create a Resource Pool" section, step 2	Reads: ...click on the column labeled with an asterix (*) Should read: ...click on the row labeled with an asterisk (*)	10/19/2012
91	First paragraph underneath Figure 2-16	Reads: WSRM allows you, to... Should read: WSRM allows you to...	5/24/2013
95	Exercise 1, step 7	Reads: Computer Configuration\Windows Settings\Security Settings node Should Read: Computer Configuration\Policies\Windows Settings\Security Settings node	10/19/2012
101	Question 5 answer	Reads: 5. Which stored procedure do you use to enable Database Mail on an instance? A. sp_monitor B. sp_configure C. sp_rename D. sp_depends Should read: 5. Which stored procedure do you use to enable Database Mail on an instance? A. sp_configure B. sp_rename C. sp_monitor D. sp_depends	10/19/2012
106	Bottom of the page	Reads: /ASSVACCOUNT=NetworkService Should read: /ASSVACCOUNT=Contoso\kim_akers	2/8/2013

Page	Location	Description	Date corrected
120	Step 7, code block	<p>Reads: USE master GO ALTER DATABASE Litware2012 ADD FILE (NAME = FileStrmFile, FILENAME = 'C:\FSTRM' TO FILEGROUP FileStreamFileGroup)</p> <p>Should read: USE master GO ALTER DATABASE Litware2012 ADD FILE (NAME = FileStrmFile FILENAME = 'C:\FSTRM') TO FILEGROUP FileStreamFileGroup</p>	2/8/2013
123	Exercise 2	<p>Reads: Open an elevated PowerShell prompt and run the following command:</p> <p>Should read: On SQL-A open an elevated PowerShell prompt and run the following command:</p>	10/19/2012
130	Third paragraph	<p>Reads: SQL Server 2012 supports contained databases and Partially Contained Databases (Partial-CDBs),...</p> <p>Should read: SQL Server 2012 supports Partially Contained Databases (Partial-CDBs),...</p>	2/25/2015
132	Second row	<p>Reads: ALTER INDEX indexName ON tableName REBUILD PARTITION ALL WITH (DATA_COMPRESSION=ROW)</p> <p>Should read: ALTER INDEX indexName ON tableName REBUILD PARTITION = ALL WITH (DATA_COMPRESSION=ROW)</p>	2/25/2015
143	Second bullet item	<p>Reads: DBCC PROCACHE</p> <p>Should read: DBCC PROCCACHE</p>	10/19/2012
143	Fourth bulleted item on page	<p>Reads: DBCC SHOWCONFIG</p> <p>Should read: DBCC SHOWCONTIG</p>	10/19/2012

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153	"Lessons" section	<p>Reads: Lesson 1: Migrating to SQL Server 2012 142 Lesson 2: Importing and Exporting Data 162</p> <p>Should read: Lesson 1: Migrating to SQL Server 2012 154 Lesson 2: Importing and Exporting Data 175</p>	10/19/2012
154	Last paragraph	<p>Reads: If you have a database hosted on an Itanium-architecture SQL Server 2012 instance,...</p> <p>Should read: If you have a database hosted on an Itanium-architecture SQL Server instance,...</p>	10/19/2012
162	Code sample below Figure 4.4	<p>Reads: For example, to detach the Planets database...</p> <p>Should read: For example, to detach the SpaceElevator database...</p>	10/19/2012
181	Sixth bulleted item	<p>Reads: A user performing the bulk operation needs read access to the file on the file system and the ADMINISTER BULK OPERATIONS permission on the file.</p> <p>Should read: A user performing the bulk operation needs read access to the file on the file system and the ADMINISTER BULK OPERATIONS permission.</p>	5/24/2013
182	More Info reader aid link	<p>Reads: http://msdn.microsoft.com/en-us/library/ms190421(SQL.110).aspx</p> <p>Should read: http://msdn.microsoft.com/en-us/library/ms190421(SQL.105).aspx</p>	10/19/2012
184	Exercise 2.5	<p>Reads: ...export data from the Person.Contact table...</p> <p>Should read: ...export data from the Person.Person table...</p>	10/19/2012
199	Examples in lines 7 and 11	<p>Reads: For example, to create an asymmetric key named sql_user_5 by using the RSA_2048 algorithm on a database that has an existing master key, issue the following Transact-SQL statement</p> <p>Should read: For example, to create an asymmetric key named sql_user_e by using the RSA_2048 algorithm on a database that has an existing master key, issue the following Transact-SQL statement</p>	5/24/2013
200	Second More Info reader aid	<p>The URL in the SYS.SQL_LOGINS reader aid should be: http://msdn.microsoft.com/en-us/library/ms174355(SQL.110).aspx</p>	5/24/2013

Page	Location	Description	Date corrected
201	First paragraph	<p>Reads: DENY CONNECT SQL "contoso\domain_user_b";</p> <p>Should read: DENY CONNECT SQL TO "contoso\domain_user_b";</p>	5/24/2013
205	Exercise 1, step 5	<p>Reads: Use SQL Server Management Studio to create a SQL Server–authenticated login named sql_user_b.</p> <p>Should read: Use SQL Server Management Studio to create a SQL Server–authenticated login named sql_user_b with the password Pa\$\$w0rd.</p>	2/8/2013
206	"Lesson Summary" section, first bulleted item, second line	<p>Reads: ...user accounts or to to local...</p> <p>Should read: ...user accounts or to local...</p>	10/19/2012
213	Link near top of page	<p>Reads: http://msdn.microsoft.com/en-us/library/ms189612(SQL.110).aspx</p> <p>Should read: http://msdn.microsoft.com/en-us/library/ms189121.aspx</p>	10/19/2012
215	Exam Tip reader aid	The Exam Tip reader aid should be deleted.	10/19/2012
220	Exercise 2, step 4	<p>Reads: Use the appropriate stored procedure to add the sql-c user to the TableAdmin flexible database role.</p> <p>Should read: Use the appropriate stored procedure to add the sql_user_c user to the TableAdmin flexible database role.</p>	2/25/2015
227	Question 3 answer	<p>Reads: 3. Correct Answer: C</p> <p>Should read: 3. Correct Answers: B and C</p> <p>Reads: B. Incorrect: The ALTER ROLE statement enables you to change the name of a flexible database role but does not enable you to alter the membership of a flexible database role.</p> <p>Should read: B. Correct: The ALTER ROLE statement enables you to change the name of a flexible database role and allows you to alter the membership of a flexible database role.</p>	10/19/2012

Page	Location	Description	Date corrected
227	Question 2 answer	<p>Reads: 2. Correct Answer: A</p> <p>Should read: 2. Correct Answers: A and C</p> <p>Reads: A. Correct: You use the CREATE ROLE statement to create a flexible database role. You can add existing database users to a flexible database role and assign permissions to that role.</p> <p>Should read: A. Correct: You use the CREATE ROLE statement to create a flexible database role and assign permissions to that role.</p> <p>Reads: C. Incorrect: You use the ALTER ROLE statement to rename an existing flexible server role.</p> <p>Should read: C. Correct. You use the ALTER ROLE statement to add and remove members from a database role.</p>	10/19/2012
234	First paragraph	<p>Reads: EXEC sp_addrolemember [db_datawriter], [Chicken];</p> <p>Should read: EXEC sp_addrolemember [db_datawriter], [Chicken];</p>	5/24/2013
236	Code sample, middle of page	<p>Reads: When granting, denying, or revoking permissions from a securable, you must perform one operation at a time.</p> <p>Should read: When granting, denying, or revoking permissions from a securable, you should perform one operation at a time.</p>	10/19/2012
238	Practice, Exercise 1	<p>Reads: Log on to the default instance with the Kim_Akers user account.</p> <p>Should read: Log on to the default instance on SQL-A with the Kim_Akers user account.</p>	2/8/2013
261	Last paragraph	<p>Reads: sys.server_audit_specifications_details</p> <p>Should read: sys.server_audit_specification_details</p>	2/25/2015

Page	Location	Description	Date corrected
264	Bottom of page	<p>Reads: Category A collection of categories that should be enforced together...</p> <p>Should read: Category A collection of policies that should be enforced together...</p>	10/19/2012
270	Exercise 3, step 5, third bullet item	<p>Reads: sys.server_audit_specification_detail</p> <p>Should read: sys.server_audit_specification_details</p>	5/24/2013
271	Question 4	<p>Reads: (Each correct answer presents a complete solution. Choose all that apply.)</p> <p>Should read: (Each correct answer presents part of a complete solution. Choose all that apply.)</p>	2/8/2013
275	Second paragraph	<p>Reads: 2. Correct Answer: C</p> <p>Should read: 2. Correct Answer: A and C</p> <p>Reads: A. Incorrect. You can use the sys.sql_logins catalog view to determine whether a SQL Server–authenticated login is configured to use a password policy and has an expiration date. You cannot use this catalog view to determine whether a login is disabled.</p> <p>Should read: A. Correct. You can use the sys.sql_logins catalog view to determine whether a SQL Server–authenticated login is configured to use a password policy and has an expiration date. Through inheritance this view also displays whether a login is disabled.</p>	5/24/2013
277	Case Scenario 3.2	<p>Reads: Which step should you take to ensure that both successful and failed audits are logged on the default instance on SYD-SQL-A?</p> <p>Should read: Which step should you take to ensure that both successful and failed logins are audited on the default instance on SYD-SQL-A?</p>	10/19/2012
284	Link middle of page	<p>Reads: http://msdn.microsoft.com/en-us/library/ms189047(SQL.110).aspx</p> <p>Should read: http://msdn.microsoft.com/en-us/library/ms189053(v=sql.110).aspx</p>	10/19/2012

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290	More Info reader aid link	Reads: http://msdn.microsoft.com/en-us/library/ms190430(SQL.110).aspx Should read: http://msdn.microsoft.com/en-us/library/dd207006.aspx	10/19/2012
295	Third bullet item	Reads: Run DBCC CHECKDB on the new principal server. Should read: Run DBCC CHECKDB on the principal server.	5/24/2013
298	Question 2	Answers A, C, and D read: ...SQL Server Agent service account... Should read: ...SQL Server service account...	2/8/2013
324	Question 2	Answer A reads: ...SQL Server Agent account... Answers B and D read: ...SQL Server Agent service account... Each of these should read: ...SQL Server service account...	2/8/2013
326	Scenario 1, first bullet item	Reads: cohovineyard\syd-sql-a and cohovineyard\syd-sql-b Should read: cohovineyard\syd-sql-a and cohovineyard\syd-sql-c	2/8/2013
343	Step 3, top of page	Reads: Cluster resource group name: SQL2012CRG Should read: Cluster resource group name: SQLCRG	2/8/2013
354	"Enabling AlwaysOn Availability Groups" section, third bullet item	Reads: Right-click the SQL Server service related to the instance on which you want to enable AlwaysOn Availability Groups. Should read: Right-click the SQL Server service related to the instance on which you want to enable AlwaysOn Availability Groups and select Properties.	2/25/2015
364	"Lesson Summary" section, last bulleted item	Reads: You can have only one listener per availability group. Should read: Each availability group listener must have a unique DNS name.	2/25/2015

Page	Location	Description	Date corrected
373	Fourth paragraph	Reads: Every counter has one or more instances associated with it. Should read: Every counter has zero or more instances associated with it.	2/8/2013
387, 411	Question and Answer section, question 2	Reads: A. SQL:StmtCompleted C. SQL:BatchComplete Should read: A. SQL:BatchComplete C. SQL:StmtCompleted	2/8/2013
390	Table 9-3	Reads: sys_db_db_* Should read: sys_dm_db_*	5/24/2013
398	Exam Tip reader aid	The Exam Tip reader aid should be deleted.	10/19/2012
411	Lesson 2, answer to question 2	Reads: 2. Correct Answers: C and D Should read: 2. Correct Answers: A and B	5/24/2013
424	Table 10-1	One of the two instances of the following duplicate entry should be deleted: Lvalue long node value (pointer) nvarchar(max)	5/24/2013
426	First paragraph	Reads: Online transaction processing (OLAP) cubes are commonly used to provide the performance levels required by businesses Should read: Online analytical processing (OLAP) cubes are commonly used to provide the performance levels required by businesses.	5/24/2013
441	Last paragraph	Reads: Execute the UDPATE STATISTICS command... Should read: Execute the UPDATE STATISTICS command...	5/24/2013
442	More Info reader aid	Reads: http://msdn.microsoft.com/en-us/library/ms378149(v=sql.110).aspx Should read: http://technet.microsoft.com/en-us/magazine/hh750281.aspx	2/25/2015

Page	Location	Description	Date corrected
446	First line	Reads: ...take a table lock and then release all the read locks. Should read: ...take a table lock and then release all the row locks.	2/25/2015
446	More Info reader aid, link	The link should point to the SQL 2012 page, which can be found at: http://msdn.microsoft.com/en-us/library/ms378149(sql110).aspx	10/19/2012
447	Code sample	Reads: REPEATABLE READ; Should read: SNAPSHOT;	10/19/2012
449	First paragraph	Reads: sys.dm_waiting_tasks Should read: sys.dm_os_waiting_tasks	5/24/2013
457	Exercise 2	Reads: the sys.dm_os_waiting_tasks status column Should read: the sys.dm_os_waiting_tasks DMV	2/25/2015
459	Second paragraph	The following sentence should be deleted: You cannot create an index at this time.	5/24/2013
462	Last paragraph	Reads: Correct: The blocking_session_id column of .sys.dm_exec_requests enables you to determine where blocking is occurring. Should read: Correct: The blocking_session_id column of sys.dm_exec_requests enables you to determine where blocking is occurring.	5/24/2013
463	Case Scenario 1	This Case Scenario poses four questions, but only three questions are explicitly answered. Remove question 2 and renumber the existing questions 3 and 4 to 2 and 3, respectively.	10/19/2012
488	Line 8, File and filegroup backups	The following sentence should be deleted: You cannot use this method if the Truncate Log On Checkpoint option is enabled.	5/24/2013
524	Case Study 1, line 32	Reads: CREATE USER contained_user WITH PASSWORD = 'Pa\$\$w0rd'; Should read: CREATE USER contained_user WITH PASSWORD = 'Pa\$\$w0rd';	10/19/2012
532	Question 15	Reads: B. ModifyDatabases Should read: B. Modify_Databases	10/19/2012

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553	Question 15, answers A and C	<p>Reads: Correct Answers: A and B</p> <p>Should read: Correct Answer: A</p> <p>Reads: B. Correct. You can add a flexible database role to another flexible database role.</p> <p>Should read: B. Incorrect. You cannot add a server role to a flexible database role.</p>	5/24/2013
555	Question 3	<p>Reads: Correct Answer: B</p> <p>Should read: Correct Answer: C</p> <p>Reads: B. Correct. The ALTER DATABASE AUDIT SPECIFICATION [DATABASE_SPEC] statement configures auditing for backup and restore operations at the instance level. C. Incorrect. The ALTER SERVER AUDIT SPECIFICATION [INSTANCE_SPEC] statement configures auditing for backup and restore operations at the instance level.</p> <p>Should read: B. Incorrect. The ALTER DATABASE AUDIT SPECIFICATION [DATABASE_SPEC] statement configures auditing for backup and restore operations at the database level. C. Correct. The ALTER SERVER AUDIT SPECIFICATION [INSTANCE_SPEC] statement configures auditing for backup and restore operations at the instance level.</p>	10/19/2012