

# 70-431

## Microsoft

### Microsoft SQL Server 2005 Implementation and Maintenance

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**QUESTION 1:**

You work as the database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. All servers on the Certkiller .com network run Windows 2000 Server. The Certkiller .com network contains a SQL Server 2000 database server named Certkiller -DB01 that runs on Windows 2000 Server. Certkiller -DB01 contains a database named CK\_Sales.

Certkiller .com intends migrating Certkiller -DB01 to SQL Server 2005 in the near future. To prepare for the migration, you decide to install SQL Server 2005 Express on a server named Certkiller -SR31. You verify that Certkiller -SR31 exceeds the minimum recommended hardware requirements for SQL Server 2005.

What should you do next?

- A. Upgrade Certkiller -SR31 to Windows Sever 2003 and install Service Pack 1.
- B. Install and run the SQL Server Upgrade Advisor on Certkiller -SR31.
- C. Install SQL Server 2000 on Certkiller -SR31.
- D. Download and install the .NET Framework 2.0.

Answer: D

Explanation: SQL Server 2005 requires the.NET Framework 2.0. This is automatically installed when SQL Server 2005 is installed but is not automatically installed when SQL Server 2005 Express is installed.

Incorrect Answers:

A: You do not need to upgrade Certkiller -SR31 to Windows Sever 2003 Service Pack 1 as SQL Server 2005 Express can be installed on Windows 2000 Server. You will need to install Service Pack 4 for Windows 2000 Server though.

B: You should run the SQL Server Upgrade Advisor when you want to upgrade an instance of a SQL Server 2000 database to SQL Server 2005.

C: You do not need to install SQL Server 2000 before installing SQL Server 2005 Express.

Reference:

Microsoft SQL Server 2005 Books Online (2006), Index: installing SQL Server Express, before installing

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**QUESTION 2:**

You work as a database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. All servers on the Certkiller .com network run Windows Server 2003 with the latest Service Packs and Hotfixes, while the client computers run Windows XP Professional, Windows 98 Second Edition, and Novell NetWare 6.5.

You have received instruction to prepare for a new installation of SQL Server 2005 on a member server named Certkiller -SR21. Certkiller -SR21 will host a database named CK\_Sales. All Certkiller .com users must be able to connect to Certkiller -SR21 by computer name. A Certkiller .com network administrator named Rory Allen must ensure that the client computers will be able to connect to Certkiller -DB01.

Which protocols can Certkiller .com users use to Certkiller -SR21?

- A. TCP/IP and Named Pipes
- B. TCP/IP and IPX/SPX
- C. Virtual Interface Adapter (VIA)
- D. Shared Memory

Answer: A

Explanation: By default, clients have TCP and Named Pipes as available protocols. You can manipulate the protocol ordering by using the SQL Server Client utility. The client application uses the protocols in the order specified on the client computer. If you are using SQL Server 2005, the protocol order is stored in the ProtocolOrder registry entry under the following registry subkey:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\MSSQLServer\Client\SNI9.0

Incorrect Answers:

B: SQL Server 2005 does not support IPX/SPX. The newer versions of NetWare, such as NetWare 6.5, support TCP/IP which makes it the common protocol for all clients.

C: The Virtual Interface Adapter (VIA) can be used only by VIA hardware.

D: Shared Memory can only be used on the local computer and cannot be used as a network protocol.

Reference:

Microsoft SQL Server 2005 Books Online (2006), Index: client connections [SQL Server], about client network connections, choosing a network protocol

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### **QUESTION 3:**

You work as the database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. All servers on the Certkiller .com network run Windows 2000 Server. The Certkiller .com network contains a SQL Server 2000 database server named Certkiller -DB01 that runs on Windows 2000 Server. Certkiller -DB01 contains a database named CK\_Sales.

Certkiller .com intends migrating Certkiller -DB01 to SQL Server 2005 in the near future. To prepare for the migration, you decide to install SQL Server 2005 Express on a server named Certkiller -SR23. Certkiller -SR31 was used for previously used by application developer and contains Microsoft Visual Studio 2003, .NET Framework 1.2 and Internet Explorer 5.5. You verify that Certkiller -SR23 exceeds the minimum recommended hardware requirements for SQL Server 2005.

What should you do next? (Each correct answer provides part of the solution. Choose THREE.)

- A. Upgrade Certkiller -SR23 to Windows Sever 2003 and install Service Pack 1 for Windows Sever 2003.
- B. Install Service Pack 4 for Windows 2000 Sever on Certkiller -SR23.
- C. Upgrade the .NET Framework 1.2 to .NET Framework 2.0 on Certkiller -SR23.
- D. Uninstall the .NET Framework 1.2 and install the .NET Framework 2.0 on Certkiller -SR23.
- E. Upgrade Internet Explorer 5.5 to Internet Explorer 6.0 and install Service Pack 1 for Internet Explorer 6.0 on Certkiller -SR23.
- F. Upgrade Microsoft Visual Studio 2003 to Microsoft Visual Studio 2005 and install Service Pack 1 for Microsoft Visual Studio 2005 on Certkiller -SR23.

Answer: B, D, E

Explanation: SQL Server 2005 requires Service Pack 4 for Windows 2000 Sever, Internet Explorer 6.0 with Service Pack 1 and the .NET Framework 2.0. The .NET Framework 2.0 is automatically installed with other versions of SQL Server 2005 but is not automatically installed with SQL Server 2005 Express. You can upgrade .NET Framework 1.0 and upgrade .NET Framework 1.1 to .NET Framework 2.0 but .NET Framework 1.2 must be uninstalled first.

Incorrect Answers:

A: You do not need to upgrade Certkiller -SR31 to Windows Sever 2003 Service Pack 1 as SQL Server 2005 Express can be installed on a Windows 2000 Server once you install Service Pack 4 for Windows 2000 Server.

C: You can upgrade .NET Framework 1.0 and upgrade .NET Framework 1.1 to .NET Framework 2.0 but .NET Framework 1.2 must be uninstalled first.

F: SQL Server 2005 Express does not require any version of Microsoft Visual Studio.

Reference:

Microsoft SQL Server 2005 Books Online (2006), Index: installing SQL Server Express, before installing

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#### **QUESTION 4:**

You are employed as a database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com.

You have received instruction from the CIO to prepare a new installation of SQL Server 2005. The new SQL Server 2005 database server is named

Certkiller -DB01. A Certkiller .com user named Mia Hamm is a member of the Marketing department. You instruct her to identify the protocols that the client computers might use to connect to the server. Mia Hamm needs to identify the protocols that are needed to accomplish this goal.

What should she identify? (Choose all that apply)

- A. She should use the Multiprotocol.
- B. Mia Hamm should use the Named Pipes.
- C. She should use the Shared Memory.
- D. She should use the TCP/IP
- E. Mia Hamm should use the Virtual Interface Adapter (VIA).

Answer: B, D

Explanation: The clients have by default TCP and Named Pipes as available protocols. You can make use of the SQL Server Client utility to manipulate the protocol ordering. The client application uses the protocols in the order specified on the client computer. When you make use of the SQL Server 2005, the protocol order is stored in the ProtocolOrder registry entry under the following registry subkey:

HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\MSSQLServer\Client\SNI9.0

Incorrect Answers:

C: Shared Memory can only be used on the local computer and cannot be used as a network protocol.

E: The Virtual Interface Adapter (VIA) can be used only by VIA hardware.

Reference:

Microsoft SQL Server 2005 Books Online (2006), Index: client connections [SQL Server], about client network connections, choosing a network protocol

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## QUESTION 5:

You work as the database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. All servers on the Certkiller .com network run Windows 2000 Server. The Certkiller .com network contains a SQL Server 2000 database server named Certkiller -DB01 that runs on Windows 2000 Server Service Pack 4. Certkiller -DB01 contains a database named CK\_Trading.

Certkiller .com wants to migrate Certkiller -DB01 to SQL Server 2005 but wants to retain the CK\_Trading database with the same instance name. You decide to perform an in-place upgrade to SQL Server 2005. You verify that Certkiller -DB01 exceeds the minimum recommended hardware requirements for SQL Server 2005.

What should you do next?

- A. Upgrade Certkiller -DB01 to Windows Sever 2003 Service Pack 1.
- B. Run the SQL Server Upgrade Advisor on Certkiller -DB01.
- C. Detach the CK\_Trading database on Certkiller -DB01.
- D. Run the SQL Server 2005 Setup utility.

Answer: B

Explanation: Before you perform an in-place upgrade of an existing database, you

should run the SQL Server Upgrade Advisor. The SQL Server Upgrade Advisor produces a list of items that must be addressed before and after performing the upgrade. This list of items is specific to the existing installation.

Incorrect Answers:

A: You do not need to upgrade Certkiller -DB01 to Windows Sever 2003 Service Pack 1 as SQL Server 2005 can be installed on Windows 2000 Server with Service Pack 4. C:

You need to detach a database when you need to move the database to another database instance or another database server. You do not need to detach the database before performing an in-place upgrade.

D: You should run the SQL Server Upgrade Advisor before you run the SQL Server 2005 Setup utility. The SQL Server Upgrade Advisor produces a list of items that must be addressed before and after performing the upgrade. This list of items is specific to the existing installation.

Reference:

Microsoft SQL Server 2005 Books Online (2006), Index: updating databases, detaching and attaching databases

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## QUESTION 6:

You work as the database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. All servers on the Certkiller .com network run Windows 2000 Server. The Certkiller .com network contains a SQL Server 7.0 database server named Certkiller -DB01 that runs on Windows 2000 Server. Service Pack 4 for Windows 2000 Server id installed on Certkiller -DB01.

Certkiller .com wants to migrate Certkiller -DB01 to SQL Server 2005. You decide to perform an in-place upgrade to SQL Server 2005. You verify that Certkiller -DB01 exceeds the recommended hardware requirements for SQL Server 2005.

What should you do next?

- A. Upgrade Certkiller -DB01 to Windows Sever 2003.
- B. Install Service Pack 4 for SQL Server 7.0 on Certkiller -DB01.
- C. Upgrade SQL Server 7.0 on Certkiller -DB01 to SQL Server 2000.
- D. Run the SQL Server 2005 Setup utility on Certkiller -DB01 and upgrade directly to SQL Server 2005.

Answer: B

Explanation: You can upgrade from SQL Server 7.0 with Service Pack 4 directly to SQL Server 2005. Thus you need only install Service Pack 4 for SQL Server 7.0.

Incorrect Answers:

A: You do not need to upgrade Certkiller -DB01 to Windows Sever 2003 as SQL Server 2005 can be installed on Windows 2000 Server with Service Pack 4.

C: You do not need to upgrade Certkiller -DB01 to SQL Server 200 as SQL Server 7.0



with Service Pack 4 can be upgraded directly to SQL Server 2005. Besides, you will need to install Service Pack 3 for SQL Server 2000 before you can upgrade it to SQL Server 2005.

D: You need to install Service Pack 4 for SQL Server 7.0 before you can upgrade it directly to SQL Server 2005.

Reference:

Microsoft SQL Server 2005 Books Online (2006), Index: upgrading SQL Server, upgrading to SQL Server 2005

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### **QUESTION 7:**

You work as the database administrator at Certkiller .com. The Certkiller .com network consists of a single Active Directory domain named Certkiller .com. All servers on the Certkiller .com network run Windows Server 2003 and all client computers run Windows XP Professional. The Certkiller .com network contains two SQL Server 2000 database servers named Certkiller -DB01 and Certkiller -DB02 that are configured for log shipping. Certkiller -DB01 is the primary server and hosts a database named CK\_Trading. Both Certkiller -DB01 and Certkiller -DB02 have Service Pack 3 for SQL Server 2000 installed. Certkiller .com wants to upgrade Certkiller -DB01 and Certkiller -DB02 to SQL Server 2005 Enterprise Edition but the CK\_Trading database must remain available during the upgrade process. You verify that both Certkiller -DB01 and Certkiller -DB02 exceed the recommended hardware requirements for SQL Server 2005 Enterprise Edition. You then install Service Pack 1 for Windows Server 2003 on Certkiller -DB01 and Certkiller -DB02.

What should you do next?

- A. Install Service Pack 4 for SQL Server 2000 on both database servers.
- B. Enable failover in the SQL Server 2000 log shipping configuration and upgrade Certkiller -DB02 to SQL Server 2005.
- C. Run the Database Maintenance Plan Wizard on Certkiller -DB01 to upgrade it to SQL Server 2005.
- D. Upgrade Certkiller -DB02 to SQL Server 2005 and then upgrade Certkiller -DB01 to SQL Server 2005.

Answer: B

Explanation: SQL Server 2005 does not support the Database Maintenance Plan Wizard which was integral to log shipping in SQL Server 2000. Hence, log shipping stops functioning when you upgrade a SQL Server 2000 log shipping configuration directly to SQL Server 2005. To upgrade log shipping to SQL Server 2005, you must migrate the database servers to SQL Server 2005. If you want the database to remain available during the migration process, you must migrate with failover. To migrate with failover you must enable failover and upgrade Certkiller -DB02. Then you need to failover to Certkiller -DB02 and upgrade Certkiller -DB01.

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