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Sql server express version

Microsoft SQL Server comes in multiple versions and price points vary greatly. The input level version is SQL Server Express, which is limited but is free. We are often asked by customers if they need to buy a paid copy of sql server since SQL can be very expensive to buy. The answer will generally be controlled by the required server size. SQL Server Express is a good solution for downloading a smaller database and is often used as a background end for small applications that run on a single device. It can be used for smaller shared databases but restrictions often force multiple user databases to use a paid version of SQL Server. If you are looking to install SQL Server you should look at these limits from the perspective of your current needs but also your future needs. Moving from SQL Server Express to SQL Server Standard can be more expensive if you initially purchased the standard SQL Server. The upgrade process can be difficult and you should always have a test backup before upgrading. Add in some downtime, and it's worth considering the SQL Server standard if you think you might outperform the free version in the near future. There are a number of limitations in terms of database size and resources that prevent SQL Server Express from using it to load the larger database. The most important limitation is that SQL Server Express does not support databases larger than 10 GB. This will prevent you from increasing the database to be large. There are also memory limits that will prevent scaling to many users and download heavy transactions that need to be seen in. The list below addresses the limitations and also shows the next step limits up which is SQL Server Standard Edition. 10 GB limit on the size of the database. (Standard SQL Server allows up to 524 PB) this is a hard limit but it is for each database. These are some applications where you can divide data into multiple databases and then connect databases in order to get more than 10 GB of data on the server. In fact this is difficult to manage and will hurt your performance dramatically. If you plan to increase your database beyond 10GB you should consider this to be a showstopper. If you reach the 10 GB limit it will likely be a break. Reaching the 10GB limit will prevent any write-ups to the database and database engine by returning an error to the application when each typing attempts. At best you will get errors and be unable to add data until you buy a SQL server license and upgrade the server. At worst your app can crash and possibly cause data loss. This document provides instructions for sql server Express Edition to install and configure for use with enterprise repository in ReliaSoft desktop applications. SQL Server 2012 Express appears as an example, but steps similar to previous versions can be used. You can choose to use the free version of SQL Server (SQL Server Express), which is available via From the Microsoft website, then: You want an easy way for a limited number of users to evaluate ReliaSoft's repository capabilities using a free trial application that requires little or no special support. Your organization wants to take advantage of ReliaSoft's repository capabilities without having to purchase SQL Server licenses, and the expected download of the database is commensurate with Express Edition's limited capabilities. In both cases, if you have a reasonably strong computer and administrative rights to install and configure programs, you can create an effective implementation of your organization's repository using the step-by-step instructions described below. When choosing to purchase the software and/or if your organization's needs exceed SQL Server Express capabilities, you can upgrade to a more robust version of SQL Server with the infrastructure to create the right information and support. To quickly navigate to the sections in this document, use these links: These instructions assume that you will install SQL Server 2012 Express and at least one ReliaSoft desktop application on your computer, and that other users who have a ReliaSoft installed application will connect to the SQL Server Express database that is built on your computer. Minimum requirements to run SQL Server 2012 Express and SQL Server Management Studio to get started, please make sure that the computer you will be using meets these minimum requirements: Windows 7, Windows Server 2008 R2, Windows Server 2008 Service Package 2 or Vista (SP2 or later), Internet Explorer 7 or higher. Free download from Microsoft - please click here. For 32-bit, 1GHz Intel or compatible processor (2GHz or higher recommended). For 64-bit, 1.4GHz Intel systems or a compatible processor (2GHz or higher recommended), 512 MB OF RAM (1 GB OR MORE RECOMMENDED) AND AT LEAST 2.2 GB OF SQL SERVER EXPRESS HARD DISK SPACE AND RELATED COMPONENTS, PLUS AT LEAST 1 GB FOR RELIAsoft DESKTOP APPLICATIONS. SVGA (1,024x768 pixels) view Microsoft.NET Framework 3.5 SP1 and Microsoft .NET Framework 4.0. (.NET 3.5 is no longer included in SQL Server installation; if it is not already on your computer, a free download is provided from Microsoft - please click here. Microsoft Office 2000 or higher (Excel and Word) create susceptibility report. These requirements meet minimum specifications for SQL Server 2012 Express, SQL Server Management Studio Express and ReliaSoft desktop applications. For more details on Microsoft's recommended minimum specifications for SQL Server 2012 Express, click here. For more details on our recommended minimum specifications for ReliaSoft apps, click here. Back to top download SQL Server 2012 Express and SQL Server Studio Express will need to download individual installations for the SQL Server 2012 Express database engine (Express) and SQL Server Studio Express management from the Microsoft website, or the Individual Installation File (Express with Tools) that includes both the database and tools (this is the method that will be used in these guidelines). Alternatively, if you want to include full text and function reports, you can download the SQL Server Database 2012 Express more comprehensively with advanced services (Express with advanced services) file installation (which also includes SQL Server Management Studio). The instructions below show a sufficient basic installation to support ReliaSoft application needs. While other settings may work, we suggest you start with these settings unless you have advanced knowledge of the products and are comfortable with customizing the configurations yourself. Back to the top of the SQL Server Express Edition to start installing the SQL Server Express Edition package, choose Express using a tool version (either 32-bit or 64-bit, depending on your computer) and then click Download. When the downloaded file is turned on, the SQL Server installation center will open with the installation step active. Click install a new stand-alone server or add features to an existing installation to open the SQL Server setting window that will guide you through the installation process. Returning to the top SQL Server configuration to allow remote connections the following steps is required to make sure that ReliaSoft desktop (apps) applications on your computer and applications on other computers will have access to the SQL Server database on your computer. Specifically, you will need to enable remote communications for SQL Server, start a browser service and create exceptions that allow traffic to pass through any firewalls that may be active on your computer or network, as shown afterwards. Note that the instructions here are for Windows 7. Returning to the top enable browser service and remote connections for SQL Server Express must enable remote connections for each SQL Server instance that you want to connect to from a remote computer. To do this, follow these steps: Choose Start > Software > Microsoft SQL Server 2012 > Configuration Tools > SQL Server Configuration Management. Click SQL Server Services and double-click the SQL Server browser on the right. The properties window will open. Click the service tab and then change Start to Auto. Click OK. Right-click the SQL Server browser and click Start to start the service. Expand the SQL Server network configuration and click SQLEXPRESS protocols. The status of the TCP/IP protocol to the right is listed as a disabling. Right-click TCP/IP and select Enable. Click OK when you receive the following message: Any changes made will be saved; it was turned off and restarted. Click SQL Server Services, right-click SQL Server (SQLEXPRESS) and then click Restart. Back to top firewall considerations: if you are running a firewall on the computer that runs SQL Server 2012, external connections to SQL Server will be blocked unless both the SQL server and the SQL browser service are connected through the firewall. You must create an exception for each SQL Server instance that you want to accept remote connections and an exception for the SQL Server browser service. The following instructions apply to the version of the Windows firewall included in Windows 7. If you are using a different firewall system, see firewall documents for more information. Note: SQL Server uses an instance ID as part of the path when installing its software files. If this is the only instance of SQL Server on this computer, use the following steps that show the default instance ID. If you have other instances installed, click here for more detailed information about the instance ID definition. Create an exception for SQL Server in the Windows firewall to open the Windows firewall. Choose Start > type firewall.cpl, and click OK. In the Windows firewall, click Allow a program or feature through the Windows firewall and then click Allow another program. Under add program click Review. Select C:\Microsoft\SQL Server\MSSQL11.SQLEXPRESS\BINN\sqlservr.exe executable program, click Open and then click Add to close the add program window. Stay under the Windows firewall for the next steps to add the SQL Server browser service to the list of exceptions. Note: The path may be different depending on where SQL Server was installed. MSSQL11 is the default instance ID. Create an exception for the SQL Server browser service in the Windows firewall under the Windows firewall, click Allow another program. Under add program click Review. Select C:\Microsoft\Microsoft\shared\sqlbrowser.exe the executable program, click Open and click Add. Click OK to close the Windows firewall. Note: The path may be different depending on where SQL Server was installed. Back to the top of installing at least one ReliaSoft desktop application if you haven't already installed at least one ReliaSoft desktop application on this computer, locate and double-click the installation file (files) you received from ReliaSoft and follow the instructions to complete the installation. After the installation is complete, open the program, enter the license information you received from ReliaSoft and continue through the registration steps as directed. Go back to the top creating a new enterprise database open the ReliaSoft desktop application and choose file > warehouse manager > new enterprise repository. In the window that appears, choose SQL from the server type drop-down menu. In the server name field, type the name of the SQL Server application where the new database is created. For default installations, this server will be SQLEXPRESS, where the server is the computer name. In the database name field, type the name of the new enterprise repository that will be created. Click OK to create the database. Back to the top add authorized users now that you have created the database, you can add authorized users. First connect to the database by selecting a modern file > and clicking the enterprise repository contact file (*.serp) that was created automatically. (Or you can also choose a file > open and browse for file *.serp.) Once connected to the database, you can choose file > warehouse management > authorized users to view and manage user accounts. The software has automatically created a user account for you with the highest possible access within the ReliaSoft app, admin. You can double-click the account to edit the contact information stored in the system. If you want to add one new user account at a time, click the Add button to identify each account in a window like the one that appears afterwards. To create a valid user account, you must enter the same domain and username that user is required to sign in to Windows. If your organization is using Microsoft Active Directory and wants to add multiple users at the same time by importing their contact information from Active Directory, click the Active Directory button. The basic installation and configuration of the new database was completed using SQL Server Express. Back to the top of your data protection through regular backups as a database administrator to execute your organization from the ReliaSoft application, you have the ability to perform backups and other maintenance activities necessary to protect the information stored in the SQL Server database. Please refer to SQL Server documents for detailed coverage of this topic. For an introduction to the backup process, we created a page that provides basic instructions for creating a backup, automating backups and restoring a database from a backup. You can view the document here. Additional support if you have any other questions about how to use the product or experience any problems with this help document, please contact us. Additional online support for SQL Server can be found on this site: SQL Forums: back to the top