

The image shows the front cover of a book. The top half features a grey background with a black diamond-shaped grid pattern. Below this is a horizontal band with a gradient from light to dark grey. A large, semi-transparent blue rectangle is centered over the middle of the cover. Inside this rectangle, the text 'SIMPLIFY ACCESS & CONTROL' is written in white, bold, uppercase letters, flanked by two horizontal white lines. At the bottom of the cover, the title 'MSSQL Server Database Guide' is printed in a bold, blue, sans-serif font.

**SIMPLIFY
ACCESS &
CONTROL**

**MSSQL Server Database
Guide**

Intelli-Site

Security Management Software

MSSQL Server Database Guide

For Windows 7 Professional and Ultimate,
Windows 8.1 Pro and Enterprise,
Windows 10 Pro and Enterprise,
Server 2008 R2, and Server 2012 R2

Copyright

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Technical support is available via Telephone or Email. Contact Intelli-Site Technical Support 8:00 AM to 5:00 PM Central Standard time. If calling after hours, please leave a detailed voice mail message, and someone will return your call as soon as possible.

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When calling, please be at the computer prepared to provide the following information:

- Product version number, found by selecting the  **About** button from the Intelli-Site Application Menu.
- Product License and SMA numbers used for registration.
- The type of computer being used including, operating system, processor type, speed, amount of memory, type of display, etc.
- Exact wording of any messages that appear on the screen.
- What was occurring when the problem was detected?
- What steps have been taken to reproduce the problem?
- It is highly recommended that the user execute a System Information Report and export that report to Adobe .pdf format for transmission to Intelli-Site technical support staff.

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MSSQL Server Database Guide

1 Introduction

Intelli-Site can be configured to use MSSQL Server as the database for a Project instead of the default database. While Intelli-Site installs the default database, it does NOT install MSSQL Server. MSSQL Server must be installed separately. This guide does not explain installing MSSQL Server.

Note: It is suggested that MSSQL Server is installed before Intelli-Site so that MSSQL is an available database type for the first project.

This guide explains using the MSSQL Server Database with Intelli-Site.

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2 System Requirements

The supported versions and editions of MSSQL are:

MSSQL Server 2012 (*Express, Standard, Enterprise*)

MSSQL Server 2014 (*Express, Standard, Enterprise*)

MSSQL Server 2016 (*Express, Standard, Enterprise*)

The following are the hardware requirements only when MSSQL Server is installed on the same computer as Intelli-Site. Otherwise, the system requirements are the ones defined by Microsoft.

*Operating System: Windows 7 (Professional or Ultimate),
Windows 8.1 (Pro or Enterprise),
Windows 10 (Pro or Enterprise),
Windows Server 2008 R2 (SP1),
Windows Server 2012 R2*

CPU (Processor): Intel CORE2 Duo 2.0GHz

RAM (Memory): 4GB DDR2 800 MHz

HDD (Disk Space): 200GB 7200RPM SATA-II 300

VGA (Video): 128MB VRAM @ 1024x768, (32 bit color)

Display: 17" VGA (Touch screen optional)

Input Devices: Mouse, keyboard, and 8X DVD-ROM drive

*Network & Protocols: 10/100/1000 network adapter with
Windows TCP/IP*

3 MSSQL Server Setup

MSSQL Server can be installed on the local computer with Intelli-Site or installed on another computer entirely. In either case, Intelli-Site does not install MSSQL Server. It must be installed separately using the appropriate Microsoft MSSQL Server installer.

When the MSSQL Server is located on another computer, there are three (3) requirements.

1. Both the Intelli-Site computer and the MSSQL Server computer must be on the network accessible via TCP/IP.
2. For MSSQL, the TCP/IP network protocol option must be enabled under **SQL Server Network Configuration**.
3. For MSSQL, the **SQL Server Browser** service must be running.

If Intelli-Site will be logging into the MSSQL Server using SQL Server Authentication instead of Windows Authentication, create the Login account as well.

Note: If MSSQL Server is on a different computer, there are several steps required to setup remote access. This document does not explain this process. We do not claim to be experts in database management. Please ensure the database managers set up remote access. There are many articles describing the process, such as [How To Configure SQL Express to Accept Remote Connections](#). When done setting up MSSQL, please remember to configure the local firewalls on both computers to allow Intelli-Site to connect to it.

4 Intelli-Site Setup

Configuring a Project to use MSSQL as the database is simple. This happens when the Project is created. Projects are created using the Intelli-Site Configuration Utility.

The Configuration Utility runs automatically after Intelli-Site is installed so that the default database, PostgreSQL, can be installed. Because no Projects exist, the Configuration Utility then prompts the user to create the first Project. If MSSQL has not been installed on the desired computer, click the  button. Obviously, the Project database cannot be created if the MSSQL Server doesn't exist. Once MSSQL is installed, run the Configuration Utility again.

If there are no Projects when the Configuration Utility is run, it will open the **Project Setup** dialog automatically. If the dialog doesn't automatically appear, click the  **Create or setup** project tile.

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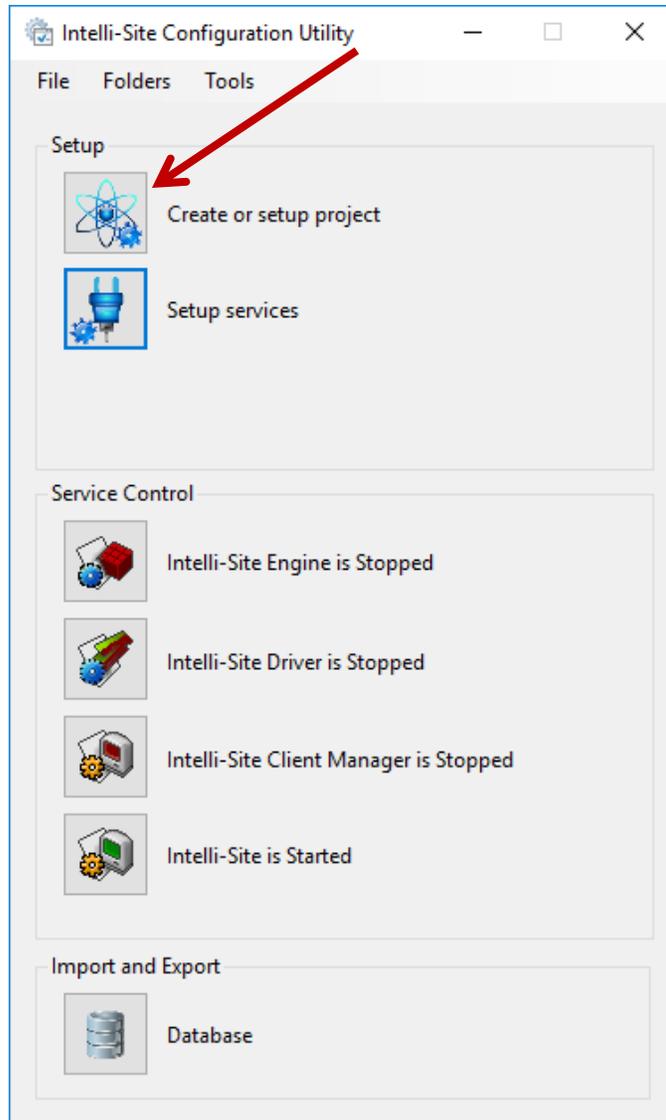


Figure 1 - Configuration Utility – Create or setup project tile

The **Setup Project** dialog displays. This dialog allows you to create a new project or rename an existing one. The database type must be specified when a Project is created. A Project's database type cannot be changed. So choose wisely.

If there is a current Project, the fields of the **Setup Project** dialog will be populated with the Project's values as in Figure 2.

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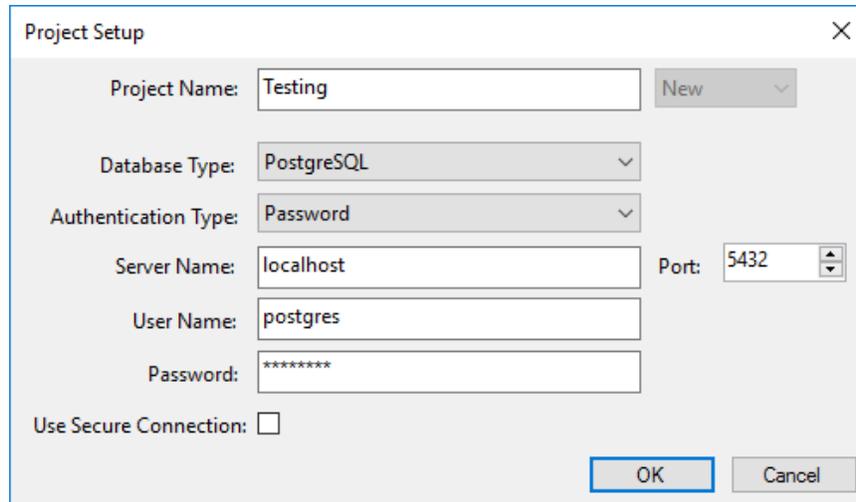


Figure 2 - The initial Project Setup dialog

Project Name is the name for the Project. The Project consists of the site folder and the database. Enter the name for the new Project. When any changes to this field are made, the drop-down menu to the right will become active. Ensure its value is *New*.

Note: *The Project Name must be unique. There cannot be another database with the same name. If there is, the Configuration Utility will detect it and ask if you want to use the existing database or drop it. Dropping the existing database means deleting it and all its data.*

Set the **Database Type** to *MSSQL*.

Set the **Authentication Type** to the one needed for the target database. The possible values are *None*, *Password*, and *WindowsSSPI*.

- *Password* for SQL Server Authentication
- *WindowsSSPI* for Windows Authentication
- *None* is an invalid option for MSSQL

Server Name is the name of the MSSQL Server host computer and the Instance (<MSSQL Server name>\<Instance>). The MSSQL Server host name must be specific, it cannot be localhost. For example, the host computer's name is QAWindows10 with SQLExpress installed. The **Server Name** in this case is QAWINDOWS10\SQLEXPRESS.

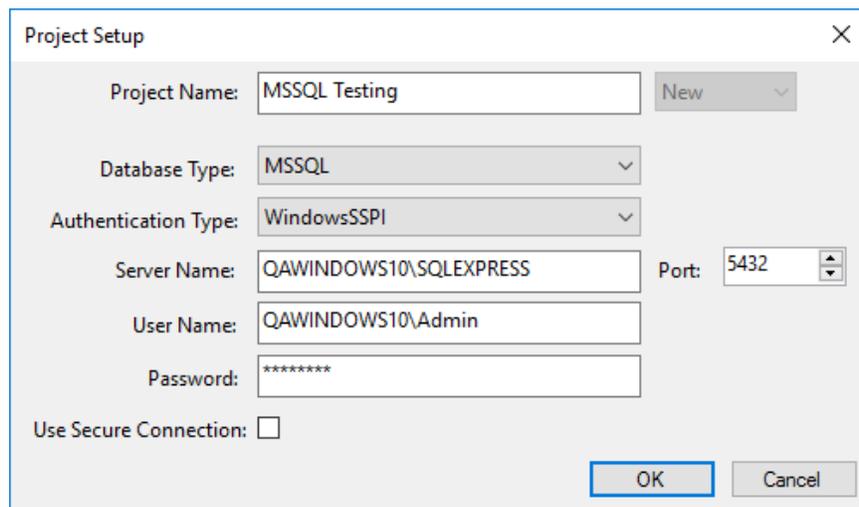
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The **User Name** field is the account name that the Configuration Utility will use to login to the SQL Server to create the database. The Engine will use it too. If the authentication method chosen is *Password*, supply a Login name for the SQL account. If the authentication method is *WindowsSSPI*, the **User Name** must be an MSSQL Server system administrator Account Username. The user name must specify the computer name just like the server name (e.g., QAWINDOWS10\Admin).

Password must be the password for the designated account.

Port and **Use Secure Connection** do not apply to MSSQL.

When done, the **Project Setup** dialog will look similar to one of the following figures.



The screenshot shows a 'Project Setup' dialog box with the following configuration:

- Project Name: MSSQL Testing
- Database Type: MSSQL
- Authentication Type: WindowsSSPI
- Server Name: QAWINDOWS10\SQLEXPRESS
- Port: 5432
- User Name: QAWINDOWS10\Admin
- Password: *****
- Use Secure Connection:

Figure 3 - Project Setup dialog with Authentication Type *WindowsSSPI*

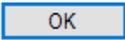
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The screenshot shows a 'Project Setup' dialog box with the following fields and values:

- Project Name: MSSQL Testing
- Database Type: MSSQL
- Authentication Type: Password
- Server Name: QAWINDOWS10\SQLEXPRESS
- User Name: some_user
- Password: *****
- Port: 5432
- Use Secure Connection:

Buttons: OK, Cancel

Figure 4 - Project Setup dialog with Authentication Type *Password*

Click the  button to close the dialog and to create the Project.

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Revision History

- 2017-05-08 Initial Creation
- 2071-05-17 The cover and title page said Aiphone-IX and not MSSQL Server Database
- 2017-06-26 Updated cover page and replace Intelli-Site 4 with Intelli-Site