



Installation Instructions

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Introduction

SimpleID is an innovative access control software that supports HID Edge & VertX, Mercury EP-1501/1502 and Suprema biometric IP readers and controllers.

SimpleID has been designed with the goal of providing a simple and at the same time highly effective interface to enable users of all levels to have a complete control over the system.

SimpleID is made and supported by Midpoint Security located in Kaunas, Lithuania (EU).

For more product information and support, please visit our web site <http://www.midpoint-security.com/>

Overview

SimpleID software consists of 2 components:

1. SID Controller Communication Service
2. SID Graphical User Interface

SID Controller Communication Service is used to communicate with hardware devices such as HID VertX controllers and Edge readers. It sends configuration, cards and commands, and retrieves events from hardware devices. There are no user adjustable settings in this program. It will start automatically every time your PC boots up. If you wish to verify whether SID Controller communication Service is functioning, you may do so by viewing Windows Task Manager and checking if SIDController.exe process is running.

SID Controller Communication Service should be installed on only one computer.

SID GUI is a Graphical User Interface which is used to configure communication settings, users, cards, doors, access groups, time schedules etc. It also has Monitoring feature, which is used for live monitoring of system events, and report generation ability.

SID GUI may be installed on multiple computers.

Prerequisite software packages for SimpleID

Below is the list of software packages that should be installed prior to SimpleID installation.

For server (or stand-alone) computer installations:

1. All versions of Microsoft .NET Framework up to the latest version (e.g. 1.0, 1.1, 2.0, 3.0, 3.5 SP1 etc.).
2. Microsoft SQL Server 2005 Express Edition. The 2008 version and non-express editions are also supported.
3. “Bonjour Print Services for Windows” should be installed only if you plan on using Mercury controllers and want them to be automatically detected by the software.

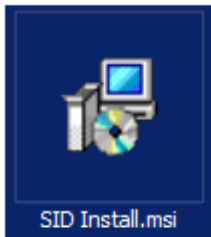
For client computer installations:

1. All versions of Microsoft .NET Framework up to the latest version (e.g. 1.0, 1.1, 2.0, 3.0, 3.5 SP1 etc.).
2. Microsoft SQL Server Native Client (this component is included in the MS SQL Server installation package or can be downloaded separately from the Microsoft website).

Installing SimpleID on one PC

Installation of SID GUI and Controller Communication Service :

1. Make sure the prerequisite components are installed.
2. Execute the file called "SID Install.msi".

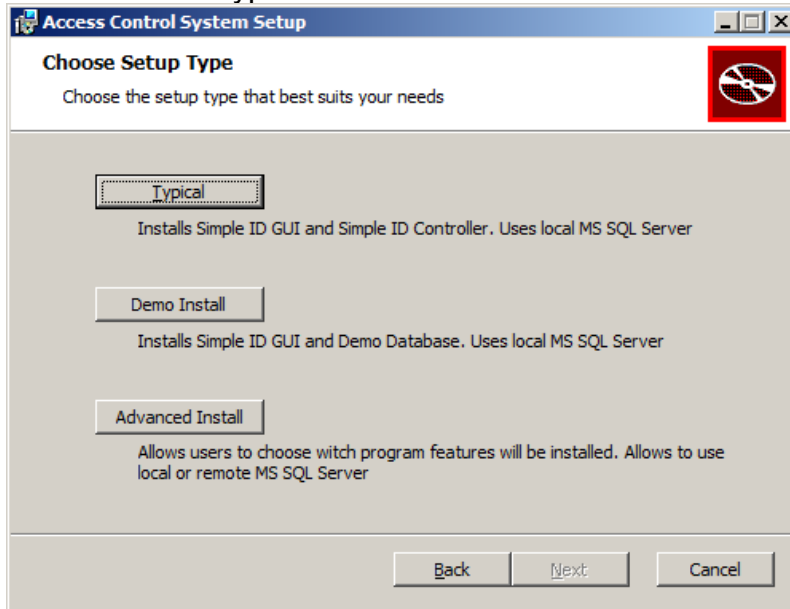


3. Press "Next" in the first window of the setup.

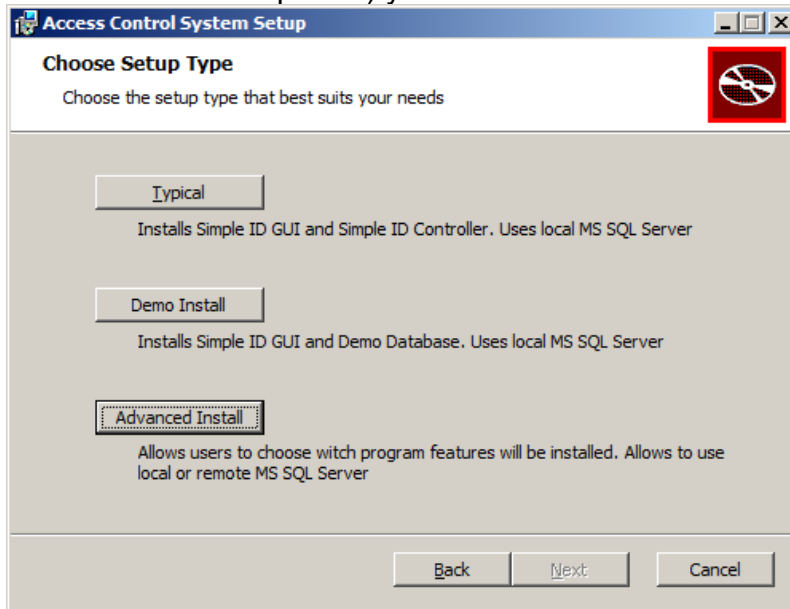


4. Select the type of the installation:

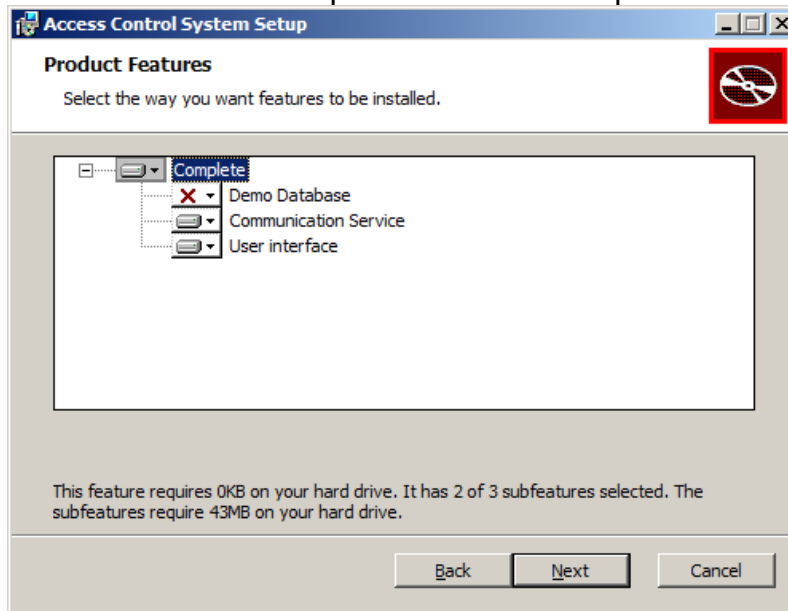
4.1. If you have installed MSSQL Server Express edition with default settings you should select “Typical” installation.



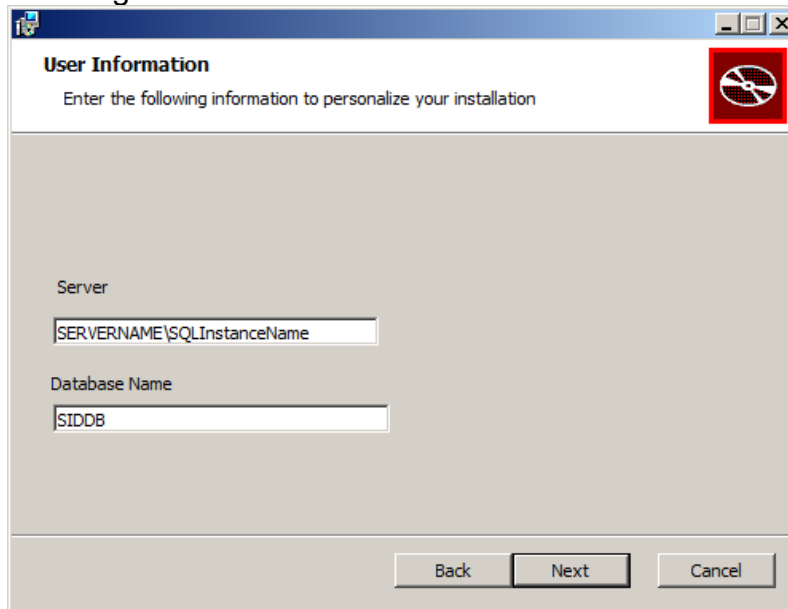
4.2. If you have installed a different version of MSSQL Server (instance name is not the default “SQLEXPRESS”) you should select “Advanced Install”.



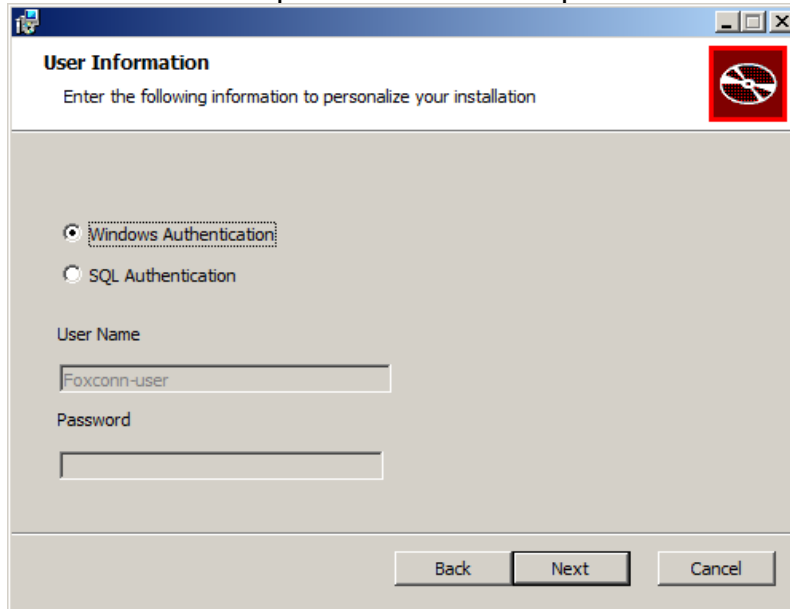
4.2.1. Leave the default options selected and press “Next”.



4.2.2. Enter database connection parameters. In the “Server” field you should enter your computer network name and the Instance name of the SQL server installation separated by a slash (\) sign. You can leave the database name unchanged.



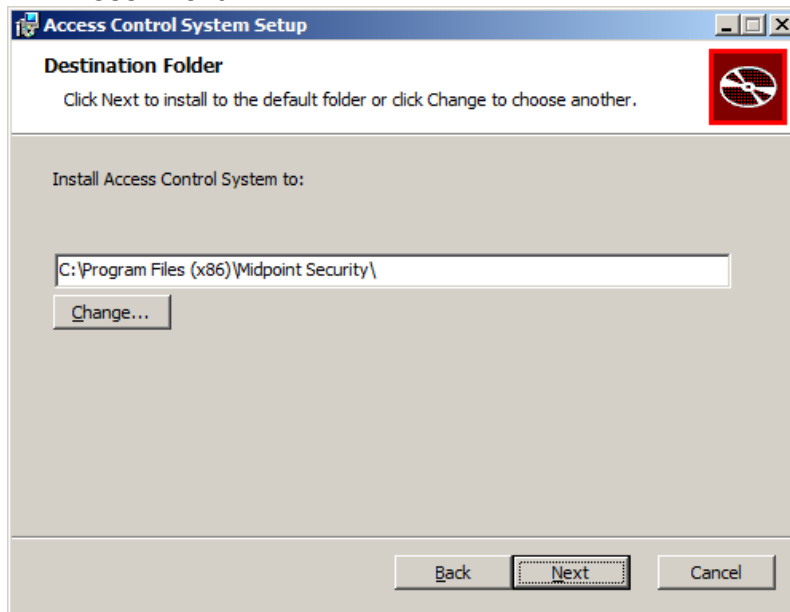
4.2.3. Leave default options selected and press “Next”.



The dialog box is titled "User Information" and contains the following elements:

- Header: "User Information" and "Enter the following information to personalize your installation".
- Authentication options: Two radio buttons, "Windows Authentication" (selected) and "SQL Authentication".
- User Name: A text input field containing "Foxconn-user".
- Password: An empty password input field.
- Buttons: "Back", "Next", and "Cancel" at the bottom.

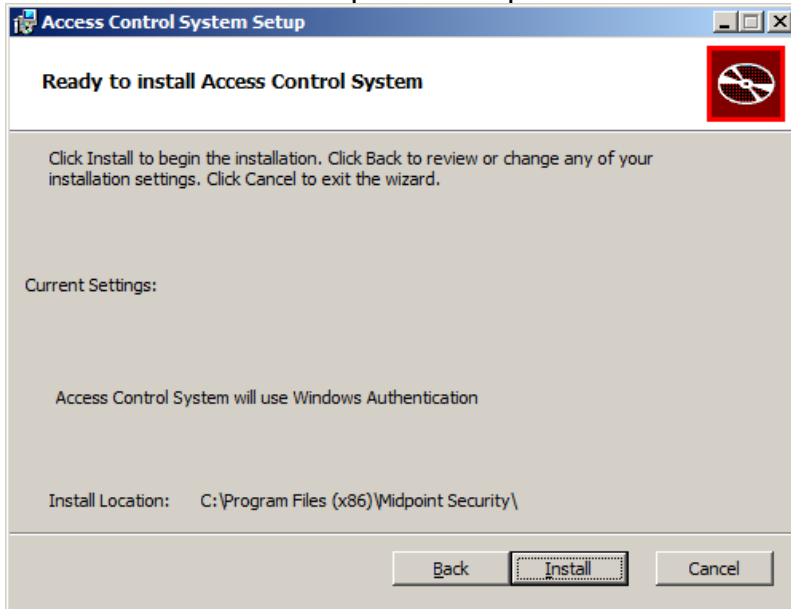
4.2.4. Press “Next”.



The dialog box is titled "Access Control System Setup" and contains the following elements:

- Header: "Destination Folder" and "Click Next to install to the default folder or click Change to choose another.".
- Text: "Install Access Control System to:".
- Text input field: Contains the path "C:\Program Files (x86)\Midpoint Security\".
- Button: "Change..." below the text input field.
- Buttons: "Back", "Next", and "Cancel" at the bottom.

5. Review the installation options and press “Install” to start installing.



6. Once the installation completes click “Finish”.

That's it! You have successfully installed SimpleID.

Installing SimpleID on multiple PCs

Database Server configuration:

You should install MSSQL Server only on one computer in your network.

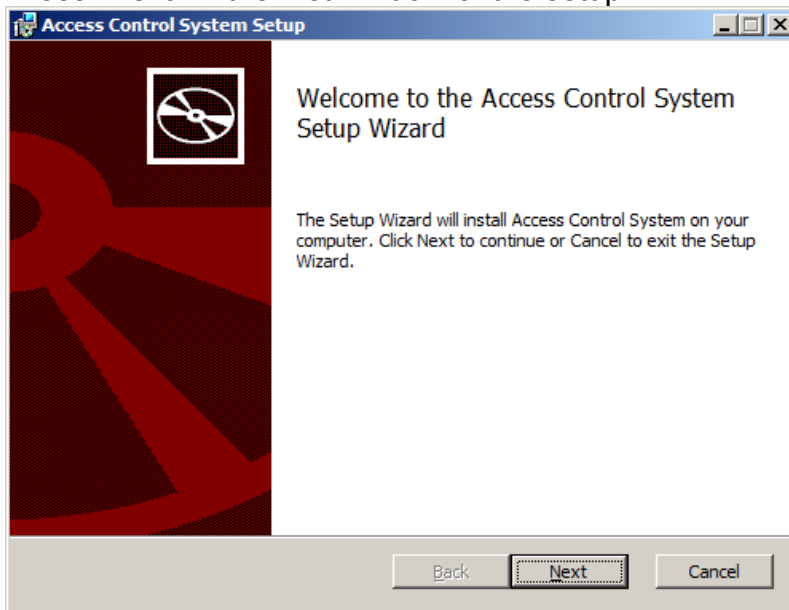
After you have installed Microsoft SQL Server you should enable remote connections to the server and configure a user for SimpleID (please read "SIDAN00001" application note for SQL user configuration).

Installation of SimpleID on the main PC

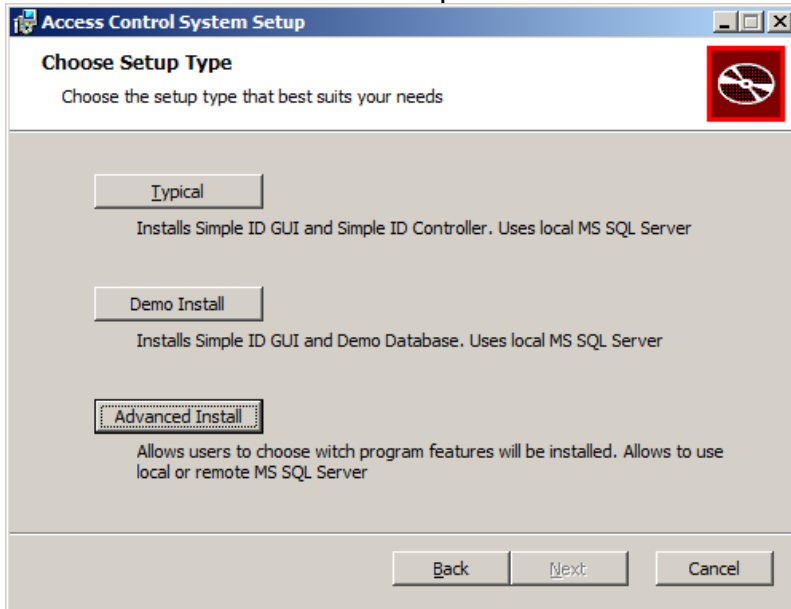
1. Make sure the prerequisite components are installed.
2. Execute the file called "SID Install.msi".



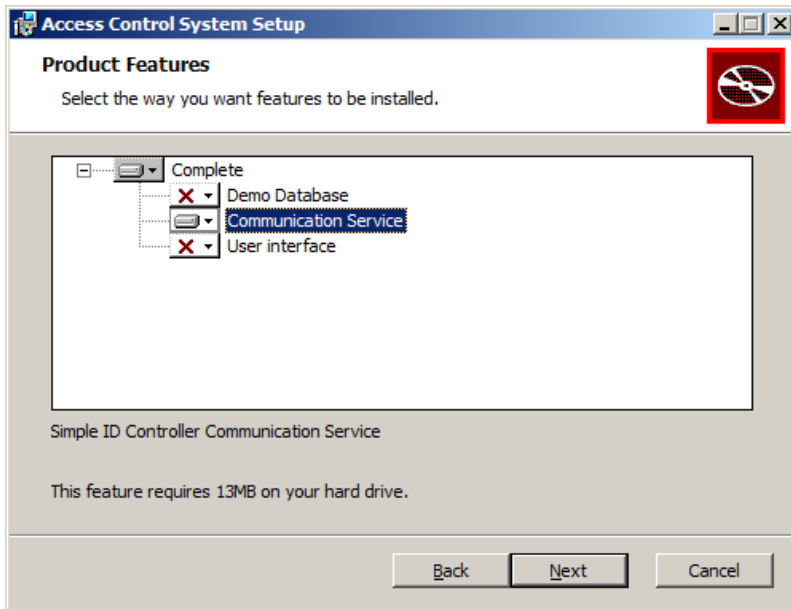
3. Press "Next" in the first window of the setup.



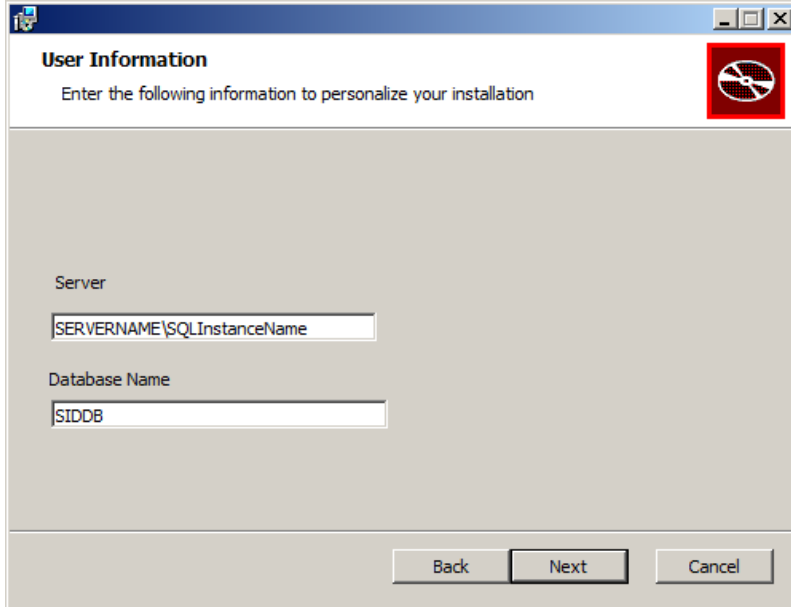
4. Select the "Advanced Install" option.



5. If the server computer will be located in a server room, and not used for every-day administration of the access control system it is enough to install just the Communication Service component.

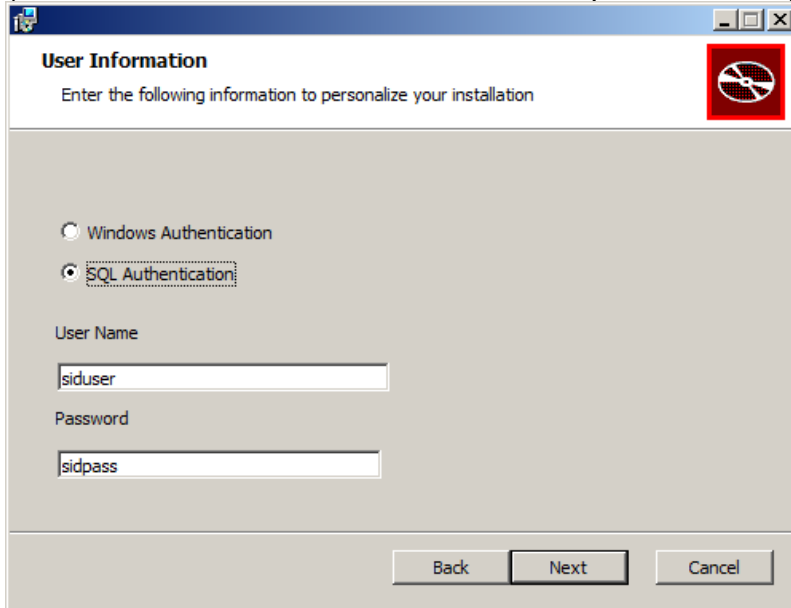


6. Enter the database connection parameters. In the “Server” field enter the network name of the server computer and the Instance name of the SQL server installation separated by a slash (\) sign. You can leave the database name unchanged.



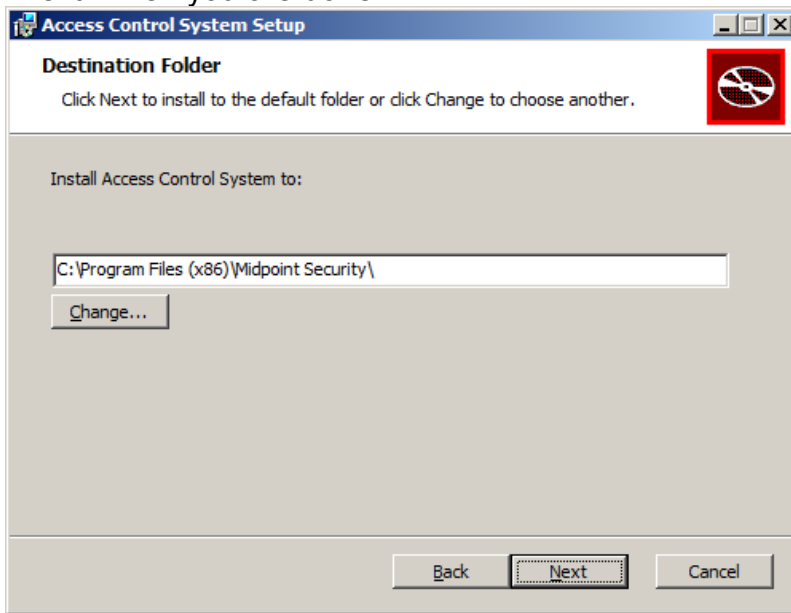
The screenshot shows a window titled "User Information" with a red "No" icon in the top right corner. Below the title bar, it says "Enter the following information to personalize your installation". There are two text input fields: "Server" containing "SERVERNAME\SQLInstanceName" and "Database Name" containing "SIDDB". At the bottom, there are three buttons: "Back", "Next", and "Cancel".

7. In this window you have to select the “SQL Authentication” option and enter the username and password of the user, that you have configured in the MS SQL Server (in our case the user is “siduser” with the password “sidpass”).

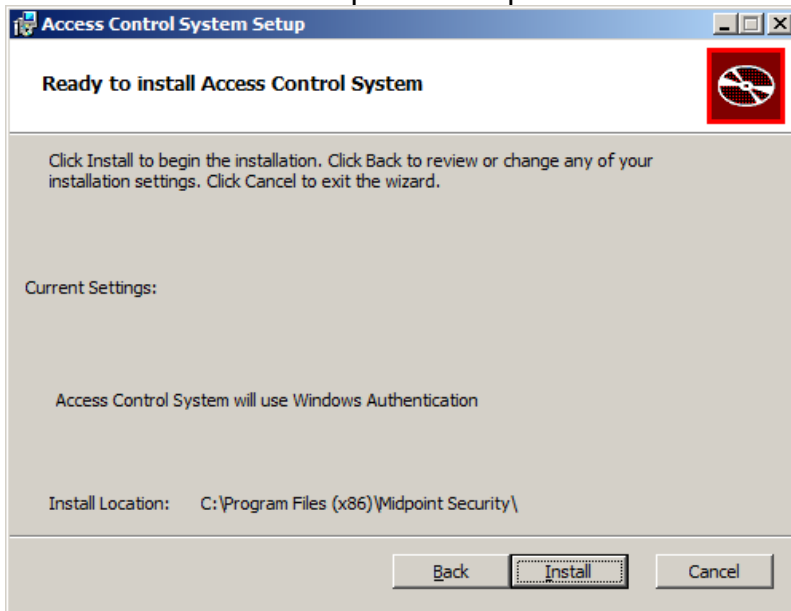


The screenshot shows the same "User Information" window. The "SQL Authentication" radio button is selected, and the "Windows Authentication" radio button is unselected. Below the radio buttons, there are two text input fields: "User Name" containing "siduser" and "Password" containing "sidpass". At the bottom, there are three buttons: "Back", "Next", and "Cancel".

8. If needed, change the path where SimpleID program files should be installed. Press “Next” when you are done.



9. Review the installation options and press “Install”.



10. Once the installation completes click “Finish”.

That's it! You have successfully installed SimpleID.

* Note: For simple installations, you may use a standard office computer as the database server. For large commercial installations it is recommended to use a server-class computer.

** Note: It is recommended to keep the database server turned on at all times. If the database server is turned off, no other computers in the system will be able to start/run SID software.

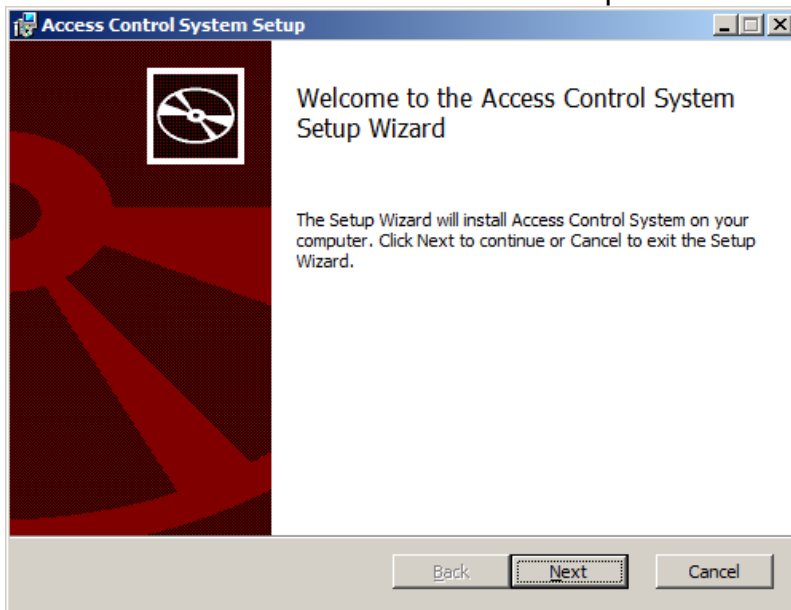
*** Note: The operating system of the database server determines how many client computers will be allowed. If you have MS Windows Home Edition installed on the database server, you will be able to connect 5 Clients. If you have MS Windows 2000 or XP Professional on the database server, you will be able to connect 10 Clients. If you have MS Windows Server Edition, you will be able to buy additional client licenses and connect as many clients as you need. These limitations are imposed by Microsoft, not by Midpoint Security.

Additional SimpleID Workstation Installation:

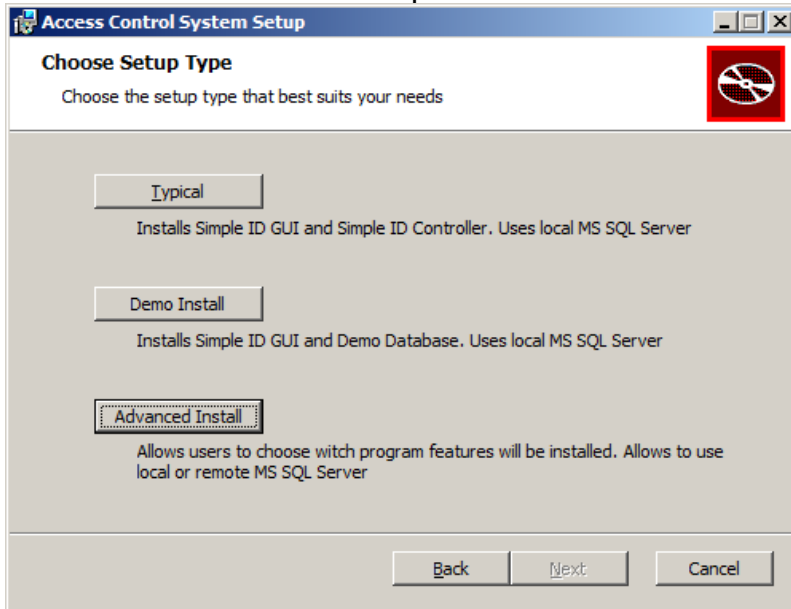
1. Make sure the prerequisite components are installed.
2. Execute the file called "SID Install.msi".



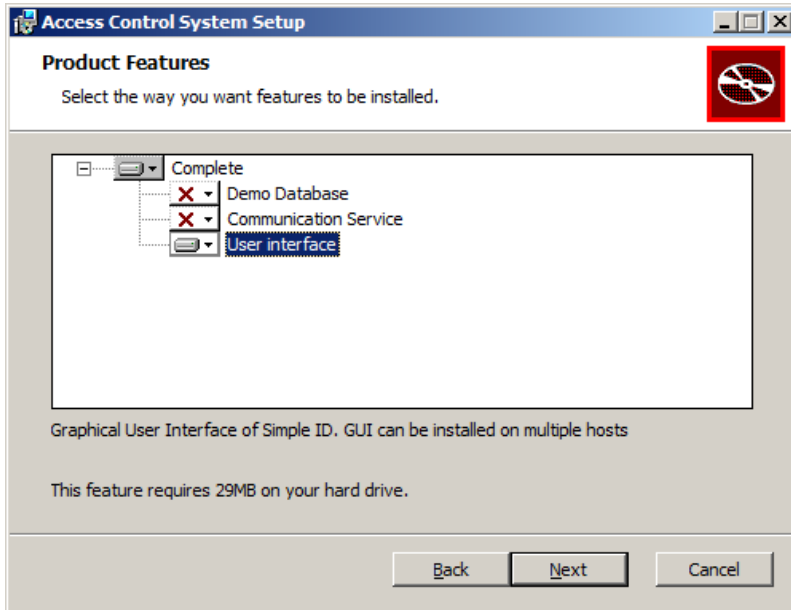
3. Press "Next" in the first window of the setup.



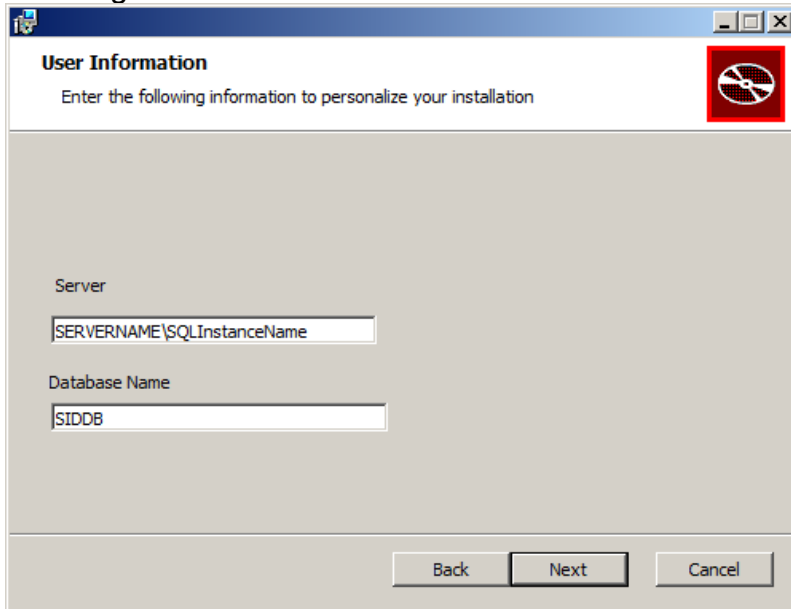
4. Click on “Advanced Install” option.



5. For workstation installation you only need to select the “User Interface” package. Note: **SID Communication Service should be installed on only one PC.** If you installed it on the database server, do not install it on any of the workstations. If you did not install it on the database server, you should install it on one of the workstations. The PC with SID Controller Communication Service installed should be turned on at all times.

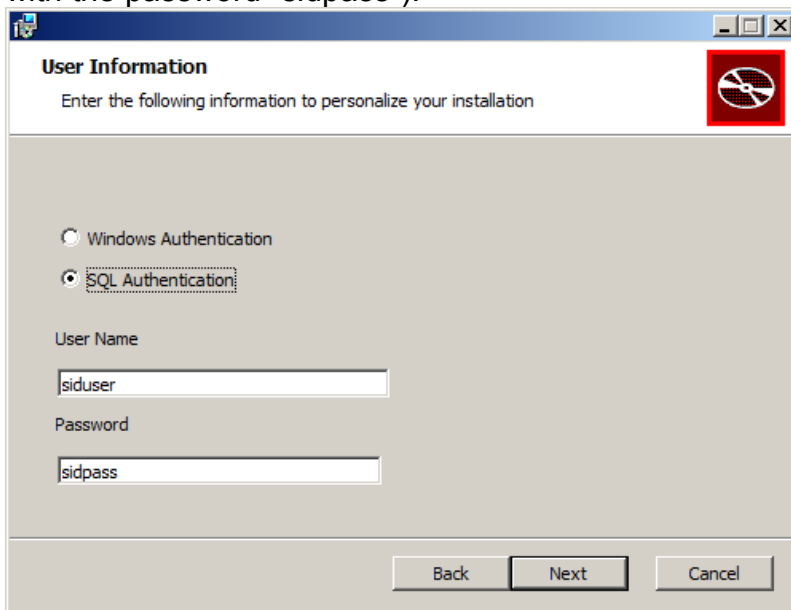


6. Enter the database connection parameters. In the “Server” field you should enter the network name of the server computer and the Instance name of the SQL server installation separated by a slash (\) sign. You can leave the database name unchanged.



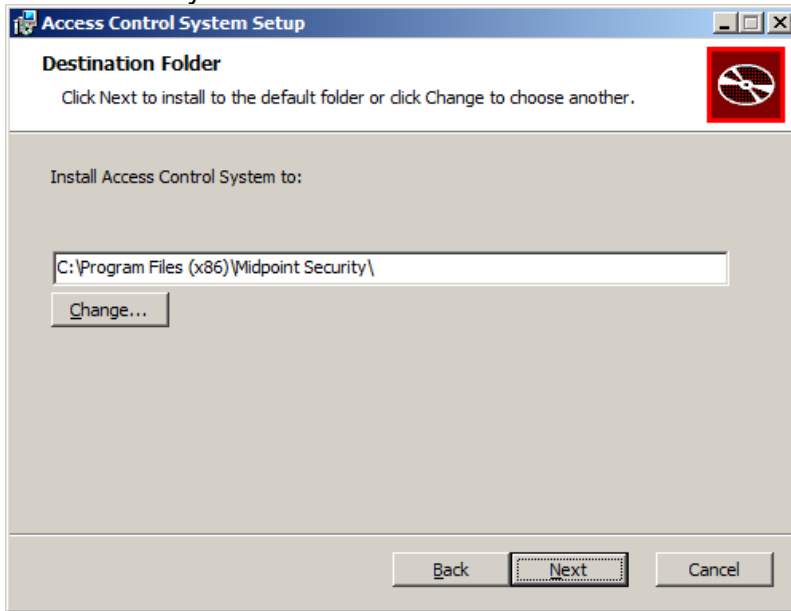
The screenshot shows a Windows-style dialog box titled "User Information" with a red "X" icon in the top right corner. Below the title bar, it says "Enter the following information to personalize your installation". The main area contains two text input fields: "Server" with the text "SERVERNAME\SQLInstanceName" and "Database Name" with the text "SIDDB". At the bottom, there are three buttons: "Back", "Next", and "Cancel".

7. Select the “SQL Authentication” option and enter the username and password of the user, that you have configured in MS SQL Server (in our case the user is “siduser” with the password “sidpass”).

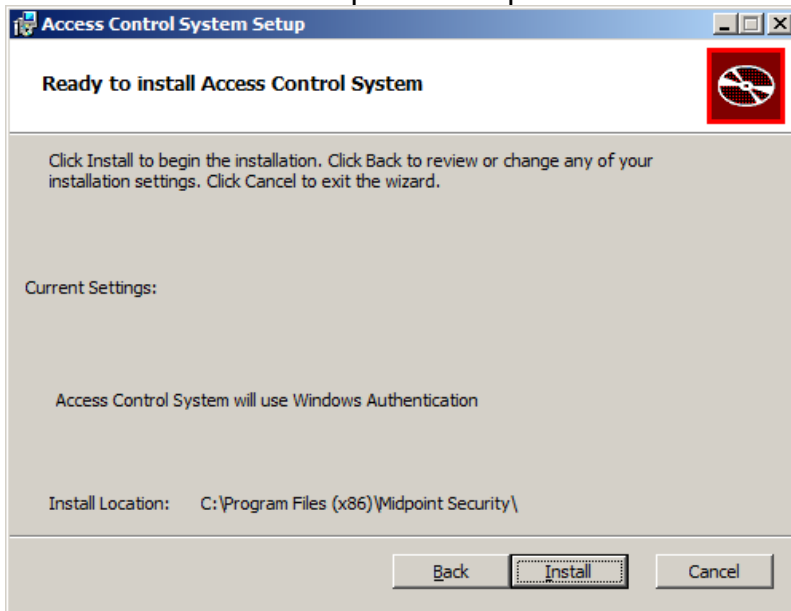


The screenshot shows the same "User Information" dialog box. In this step, the "SQL Authentication" radio button is selected. Below the radio buttons, there are two text input fields: "User Name" with the text "siduser" and "Password" with the text "sidpass". The "Back", "Next", and "Cancel" buttons are still present at the bottom.

8. If needed, change the path where SimpleID program files should be installed. Press “Next” when you are done.



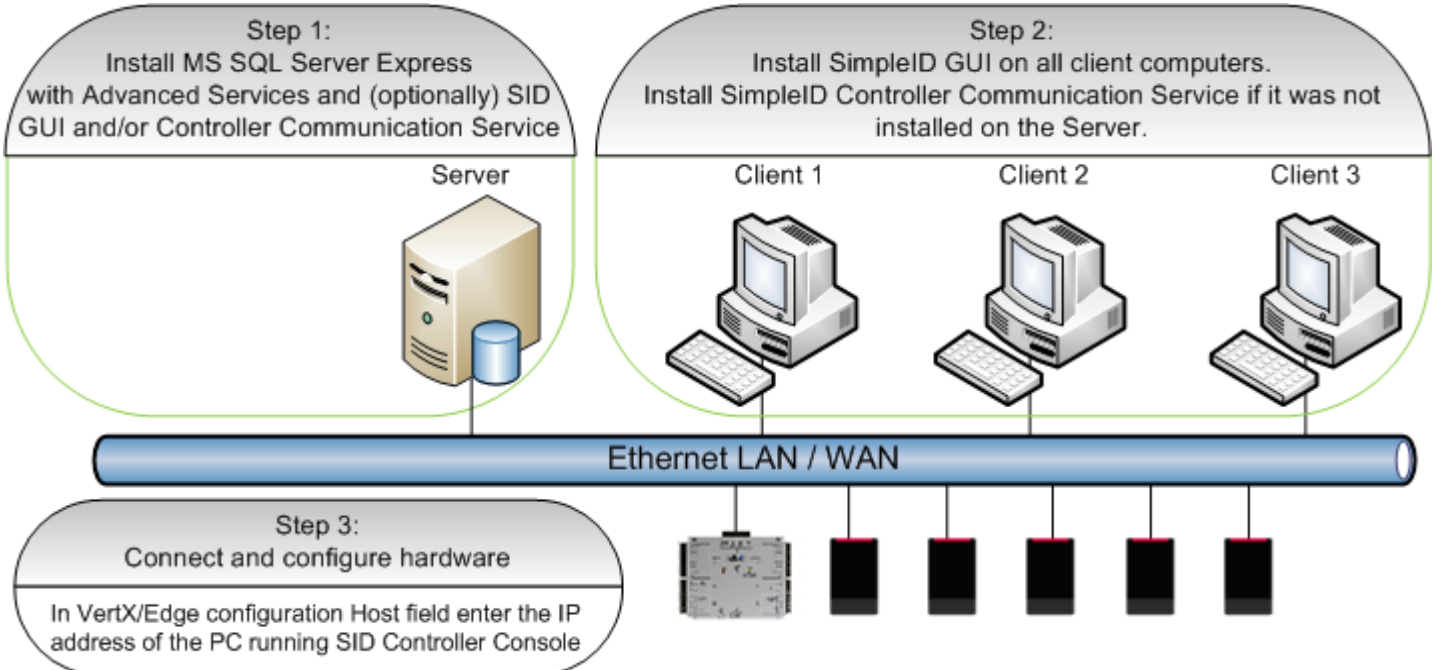
9. Review the installation options and press “Install”.



10. Once the installation completes click “Finish”.

That's it! You have successfully installed SimpleID.

Multiple PC installation block diagram



Configuring HID VertX and Edge

Controller network setup depends on the configuration of your network. You may use either DHCP server or assign static IP addresses to controllers. If the controller is on a different segment of the network, you must enter gateway addresses as well. HID VertX/Edge manuals contain detailed configuration instructions.

***** Important:** In the CS/Host IP address field you must enter the IP address (or PC name, if using DHCP) of the computer where SID Controller Console is installed.

In order to test network configuration you should check:

1. If the controller responds when you ping it's IP address (or name) from the PC where SID Controller Console software is installed.
2. If the PC with the SID Controller Console responds when you ping it's IP address.



Enter basic setup information.

Connection Selection

- Network
- Modem
- Network with Modem Backup

The VertX controller communicates with the Central Station (Ethernet) connection, (2) only a modem connection, or (3) network connection and a modem as the backup connection.

IP address of HID Edge reader or VertX controller.

Subnet mask is usually 255.255.255.0 in small networks

Basic Network Setup

- VertX Addressing
- DHCP
 - Static

Allows for DHCP (Dynamic Host Configuration Protocol) or manually assigned IP address (a permanently assigned address) for the VertX controller's network. **For Static, the VertX Addressing information should be set by a network administrator.**

Default gateway setting is not used if all controllers are on the same subnet

IP Address: . . .

A number that identifies the network. This address is used by the VertX controller. Example: 192.168.1.152

Subnet Mask: . . .

A number used to determine which addresses are contained within the network. Example: 255.255.255.0

Default Gateway: . . .

The Default Gateway address provides a communication link between the VertX controller and external networks.

If controller/reader will contact computer running SID by name (not by IP address) you should specify the address of DNS Servers

Primary DNS Server: . . .

Primary Server that provides DNS addresses.

Secondary DNS Server: . . .

Alternate Server that provides DNS addresses.

IP address of the PC where SID Controller Communication Service is installed.

Basic Central Station/Host Communications Setup

CS/Host Addressing IP Address: . . .

A number that identifies the network. This address is used by the controller to access the Central Station/Host. Example: 192.168.1.110

Network name of the PC where SID Controller Communication Service is installed.

-- OR --

Host Name:

An identifier used by the VertX controller to access a Central Station/Host on a network. Example: CSHost.HIDVertX.com

Here I Am Interval (sec):

The time interval in which a controller sends a Here I Am message to a Central Station/Host. Valid entry is 20 to 86400 seconds.

Login Password

The login password for the *admin* user has been set.

[Change Login Password](#)

Submit

Firewall configuration

When installing a system in a corporate network environment you may require assistance from a network administrator to open TCP ports used for communication between SID workstations and hardware components.

MS SQL Server: 1433 TCP and 1434 UDP

HID Edge/VertX controllers: 4050 and 4070 TCP

Mercury controllers: 3001 TCP

Suprema IP readers: 1470 and 1471 TCP