



KioWare Server 5.0+ Installation Guide

System Requirements

Before installing KioWare Server, be sure to check the system requirements below.

General Requirements

- 64-bit edition operating systems
- x86-based CPU (ARM not supported)
- Microsoft .NET Runtime v6.0
- Microsoft IIS (see “IIS and .NET Specific Requirements” below for details)
- Microsoft SQL Server 2016 or greater **OR** PostgreSQL 11 or greater
- 320 MB of hard disk space for server components (database disk usage will vary)
- Ports TCP/443 (required for *https://*)

IIS and .NET Specific Requirements

Be sure that the following IIS and .NET components are also installed:

- IIS ASP.NET
- IIS Static Content
- .NET 6.0.x Hosting Bundle
- .NET 6.0.x Desktop

Installation Instructions

Note: When installing the server application of KioWare Server, your SQL Server must be installed and configured appropriately prior to installation.

- **If using MS SQL Server (Microsoft version)**, your server must allow Windows and/or SQL authentication, and a System Administrator login must be active on the server.
- **If using PostgreSQL (or Postgres, a free and open-source database)**, SQL authentication must be enabled, and a System Administrator login must be active on the server.

Installing KioWare Server for the First Time

Note: See “Upgrading Your KioWare Server” below for instructions on installing an upgrade.

1. On your physical server device, download and launch the *KioWareServerInstall.exe* file (available on the [KioWare website](#)).



2. On the prerequisite wizard, allow all necessary prerequisites to install. If the wizard determines that all prerequisites are already installed, it will automatically skip this step.
3. Once the installer reaches the step for creating or updating your database, the CreateDB utility will launch. Select **"Start"** to begin and then enter your database settings (see image below).

KioWare Server Database Creation/Update Utility

KioWare Server CreateDB

KioWare Server will need to store its data on a SQL Server. Please enter credentials that have access to create a new database on the SQL Server. These credentials will be used for data structure creation ONLY, and will not be stored.

Server Host/IP: localhost

SQL Server Type: Microsoft SQL Server

Database Name: KWS

Authentication Method: SQL Authentication Windows Authentication

Login: sa

Password:

Create Database

- If installing on the local device, the **"Server Host/IP"** can be set to **"localhost"**. Otherwise, it can be set to the target network location.
 - In the **"SQL Server Type"** dropdown, choose the desired type.
 - Enter a **"Database Name"** (this can be any name of your choice, but do not reuse an existing name unless updating an existing KioWare Server install; see "Upgrading Your KioWare Server" below).
 - Use the **"Authentication Method"** setting to select the desired authentication method (SQL or Windows). **Note:** To avoid any Windows permissions issues, it is recommended that you use SQL authentication.
 - Enter your login credentials in the **"Login"** and **"Password"** boxes.
 - Select **"Create Database"** to continue with the database creation.
4. Once your SQL engine version has been detected (see image below), you can specify your run-time access account.



KioWare Server Database Creation/Update Utility

KioWare Server CreateDB

KioWare Server will need to store its data on a SQL Server. Please enter credentials that have access to create a new database on the SQL Server. These credentials will be used for data structure creation ONLY, and will not be stored.

Detected SQL Engine Version: 15.0.2000.5

What type of authentication should KioWare Server use at run-time to connect to the database?

- Use SQL Authentication to Connect to Database, and create a new login and password for me automatically (recommended)
- Use SQL Authentication to Connect to Database, and use these credentials:
Login:
Password:
- Use Integrated Security to Connect to the Database. You will need to create a user on the SQL Server that matches the Application Pool account.

Create Database

- **Note:** To avoid any permissions issues, it is always recommended that you allow the CreateDB utility to create a login for you (select the first option). Otherwise, choosing the second option requires that an existing login already be set up before creating a database.
 - Select "**Create Database**" to create the new database based on the information entered above.
5. Once migrations have been applied, select "**Close**". The installer will proceed to completion.
 6. The server can then be accessed from localhost at <http://localhost/KioWareServer>.

Upgrading Your KioWare Server

Note: It is always recommended that you back up your databases and folder structure before performing an upgrade.

For upgrade installations (using both MSQL and Postgres), follow steps 1 through 6 of "Installing KioWare Server for the First Time" above, with the following exceptions:

- Instead of specifying a new database in the "**Database Name**" setting (see step 3 above), enter the name of an existing one. Also enter the existing login credentials in the "**Login**" and "**Password**" boxes.
- If using Postgres, be sure to set the "**Authentication Method**" (see step 3 above) to "**SQL Authentication**" (Postgres cannot use Windows authentication).



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