ILLUSTRATED INSTALLATION GUIDE

# Install SQL Server for TeoCast

Microsoft SQL Server 2025 Express | For the Main computer

## Follow the screens. Choose the right settings.

Clean illustrations show the key installer controls and the settings to choose. Follow the instructions on each page, including the restart and firewall examples when they apply.

> **Where to install:** Install SQL Server on the **Main computer**. A separate TeoCast Workstation connects to Main and does not need its own SQL Server engine.

### Settings at a glance

| | |
|---|---|
| **Required feature** | Database Engine Services |
| **Named instance / Instance ID** | TeoCast / TEOCAST (example) |
| **Database Engine startup** | Automatic |
| **SQL Server Browser startup** | Automatic in this walkthrough |
| **Authentication** | Mixed Mode |
| **SQL administrator** | Your Windows account listed in Setup |
| **TeoCast database / SQL login** | teocast / teocast (separate from instance) |

### How to use this guide

Pages 2-12 cover SQL Setup. The remaining pages show TeoCast setup, Workstation connection, troubleshooting and references. Each figure is labeled **Illustrated screen**; it is a simplified teaching diagram for SQL Server 2025 or TeoCast.

> **For a new installation.** Uninstalling SQL Server is not a normal prerequisite. For an existing station, keep its connection details and backups before making changes.

STEP 01

# Open and extract the installer

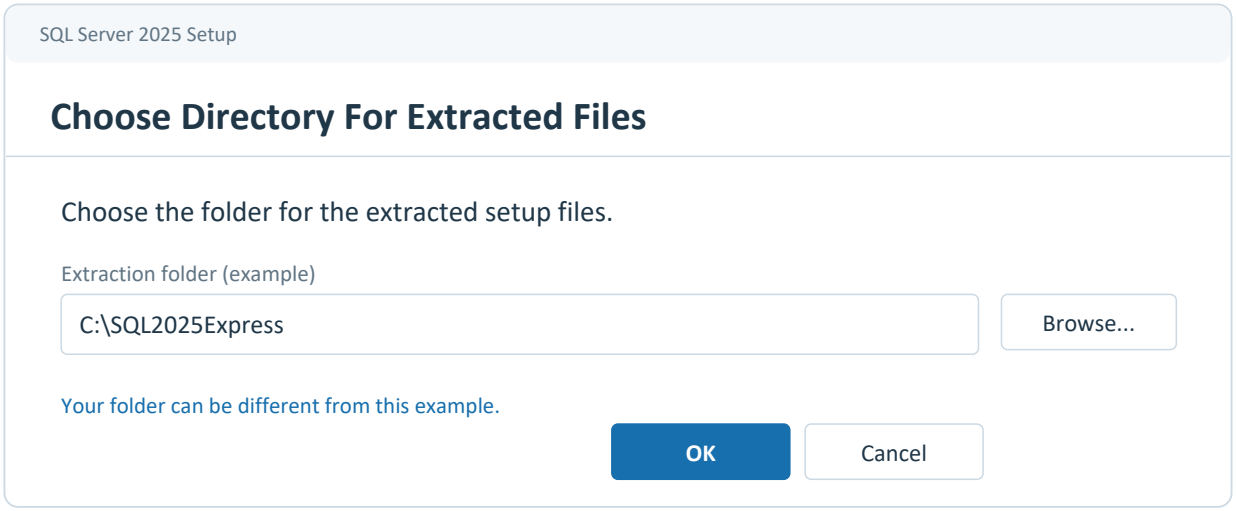
File: TeoCast_SQL_Server_Express.exe

01 Download the **SQL Server 2025 Express offline installer** from the TeoCast downloads page or Microsoft. Check the version before opening it.

02 Double-click **TeoCast_SQL_Server_Express.exe**. Approve the Windows administrator prompt for SQL Server Setup when requested.

03 Keep the extraction folder, or use **Browse...** to choose a folder. Click **OK** and wait for extraction.

ILLUSTRATED SCREEN / KEY CONTROLS




The folder shown is an example. Choose where you want the installer files extracted.

## Before you continue

01 Use a supported 64-bit Windows computer and an account with administrator access. Check the version-specific Microsoft requirements linked at the end.

02 Allow at least **6 GB** for SQL installation, plus room for downloads, extracted files and station data. Let Setup check the required Windows components.

03 If Installation Center does not open automatically, open the extracted folder and run **setup.exe**.

STEP 02

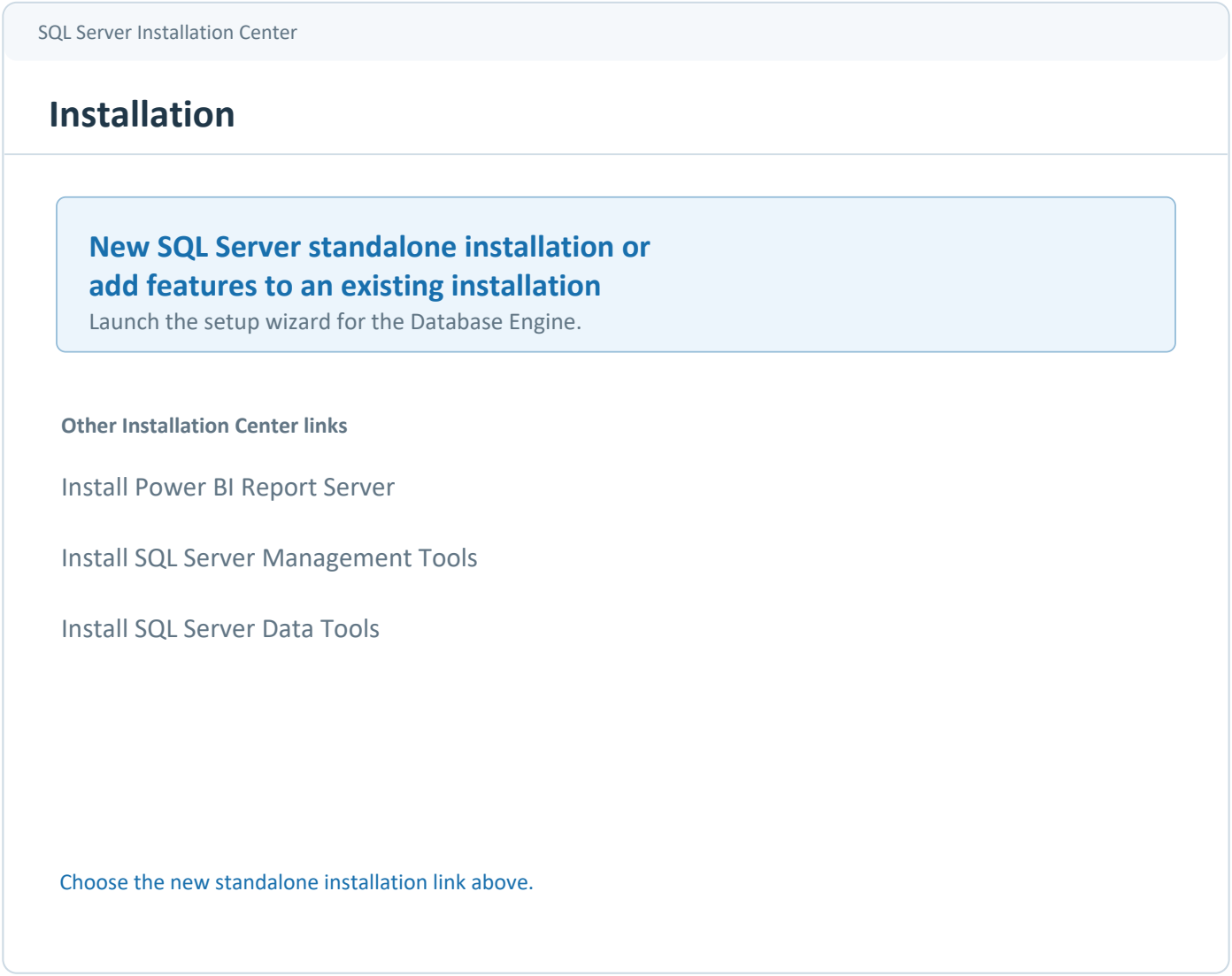
# Start a new installation

Screen: SQL Server Installation Center

01 Select **Installation** in the left panel.

02 Click **New SQL Server standalone installation or add features to an existing installation**.

ILLUSTRATED SCREEN / KEY CONTROLS




Use the first link in the Installation section.

> **If an installation-type page appears:** choose a new installation for a new Main. You may use an existing suitable instance instead. Installing a second instance creates a separate SQL Server environment.

STEP 03

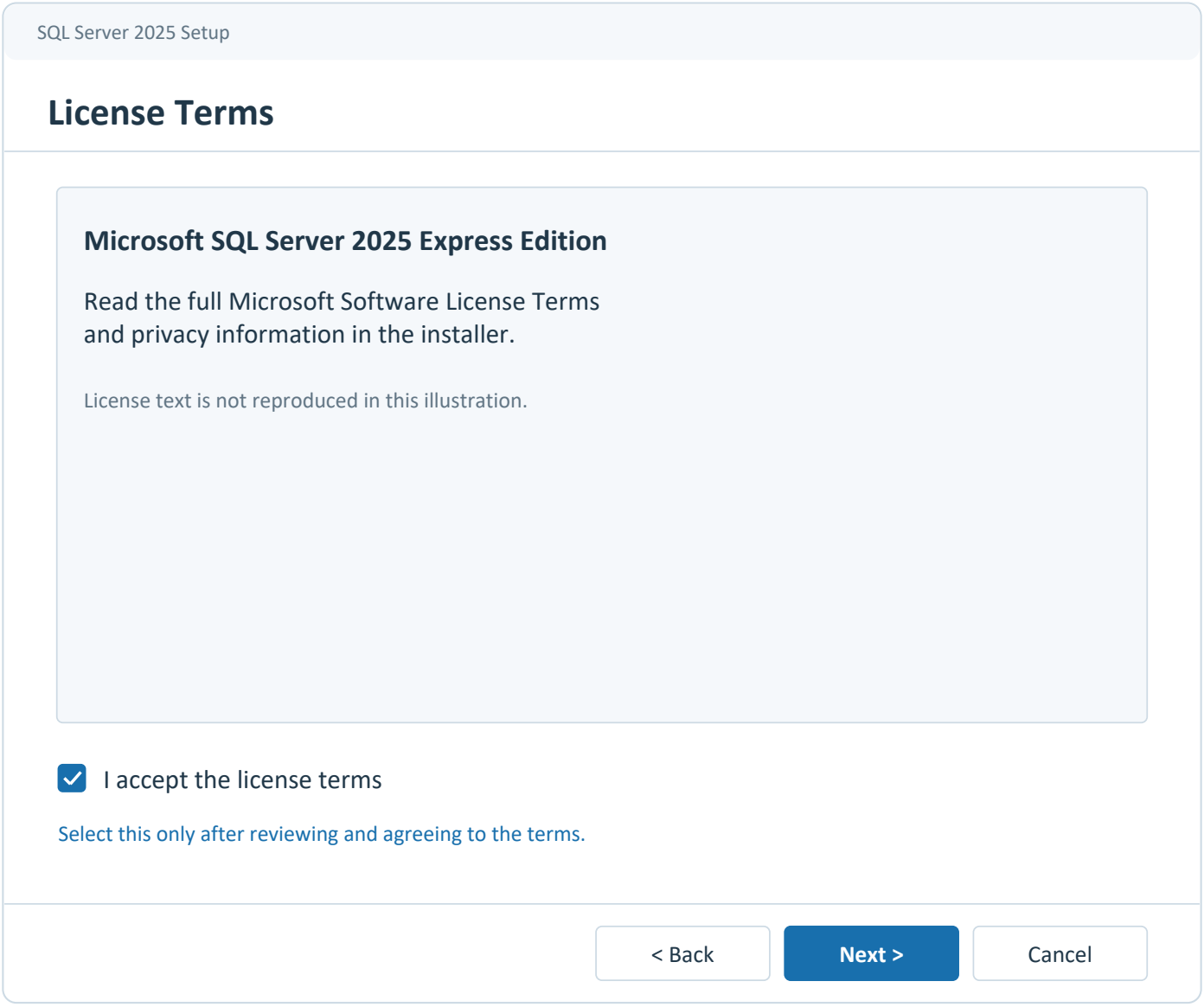
# Review the license terms

Screen: License Terms

01 Read the Microsoft license terms and privacy information.

02 If you agree, check **I accept the license terms**, then click **Next >**.

ILLUSTRATED SCREEN / KEY CONTROLS




The illustration shows acceptance selected. Read the actual terms before accepting them.

> Keep the installer open while it checks the computer. Some checking pages advance automatically.

STEP 04

# Let Setup check the computer

Screen: Global Rules | Restart example

**Normal path:** when the checks pass, continue with **Next >**, or let Setup advance. **The illustration below is a restart-required example.**

ILLUSTRATED SCREEN / RESTART EXAMPLE

SQL Server 2025 Setup

## Global Rules

**Example: Setup has detected a pending restart.**

| Check / component | Status |
|---|---|
| Setup administrator | Passed |
| Setup account privileges | Passed |
| Processor architecture support | Passed |
| Restart computer | Failed |
| Windows Management Instrumentation service | Passed |
| SQL Server registry keys | Passed |
| Installation media path names | Passed |
| SQL Server Setup Product Incompatibility | Passed |

Use Cancel, save your work, and restart Windows.

< Back | Next > | Cancel

Restart computer - Failed means Windows must restart before this installation can continue.

01 If this message appears, click **Cancel**, save your work, and use **Windows > Power > Restart**.

02 After restarting, reopen **setup.exe** in the extracted folder and start the installation again. If it still fails, open the failed status for details.

STEP 05

# Choose updates and review the rules

Screens: Microsoft Update / Product Updates / Install Rules

01 **With internet:** you may enable Microsoft Update and available product updates. **Offline:** leave online update downloads disabled.

02 Let Setup install its files. On **Install Rules**, check that there are no failed items.

ILLUSTRATED SCREEN / KEY CONTROLS

SQL Server 2025 Setup

## Install Rules

**Example: no failures; one firewall warning.**

| Check / component | Status |
|---|---|
| Setup support rules | Passed |
| SQL Server registry keys | Passed |
| Computer domain controller | Passed |
| Windows Firewall | Warning |
| Required .NET Framework | Passed |

A firewall warning does not block local installation.

< Back | Next > | Cancel

This example has 0 failed checks and one Windows Firewall warning.

**Windows Firewall - Warning:** you can continue this local installation with **Next >**. A separate Workstation will still need SQL networking and the correct firewall rules. If any item says **Failed**, open its details and resolve that failure first.

STEP 06

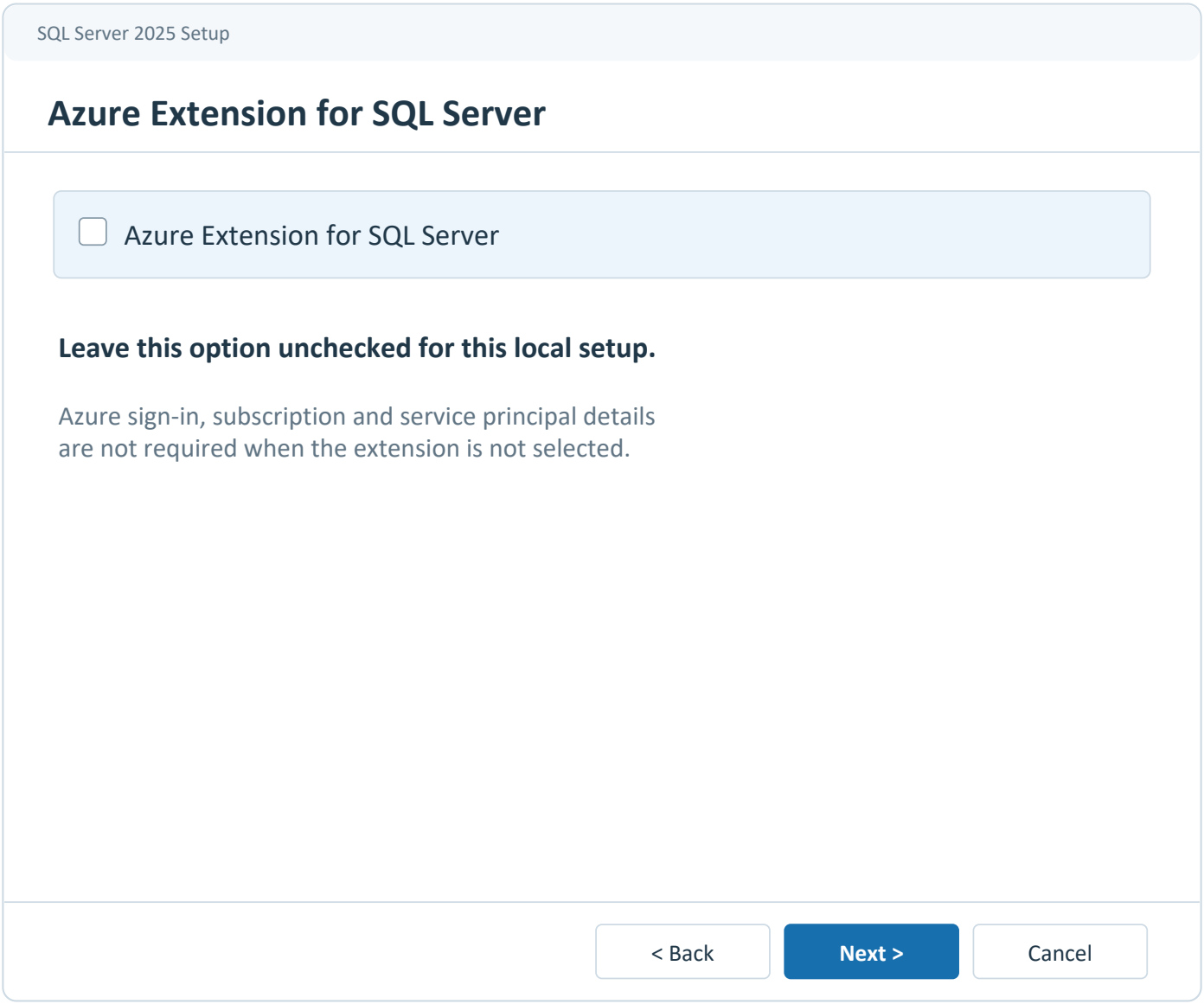
# Turn off the Azure extension

Screen: Azure Extension for SQL Server

01 **Uncheck Azure Extension for SQL Server.** This walkthrough uses a local SQL Server installation.

02 Leave the Azure account fields unused, then click **Next >**.

ILLUSTRATED SCREEN / KEY CONTROLS




Target setting: Azure Extension for SQL Server is unchecked.

> You do not need to create an Azure account or enter subscription details for this TeoCast setup.

STEP 07

# Choose Database Engine Services

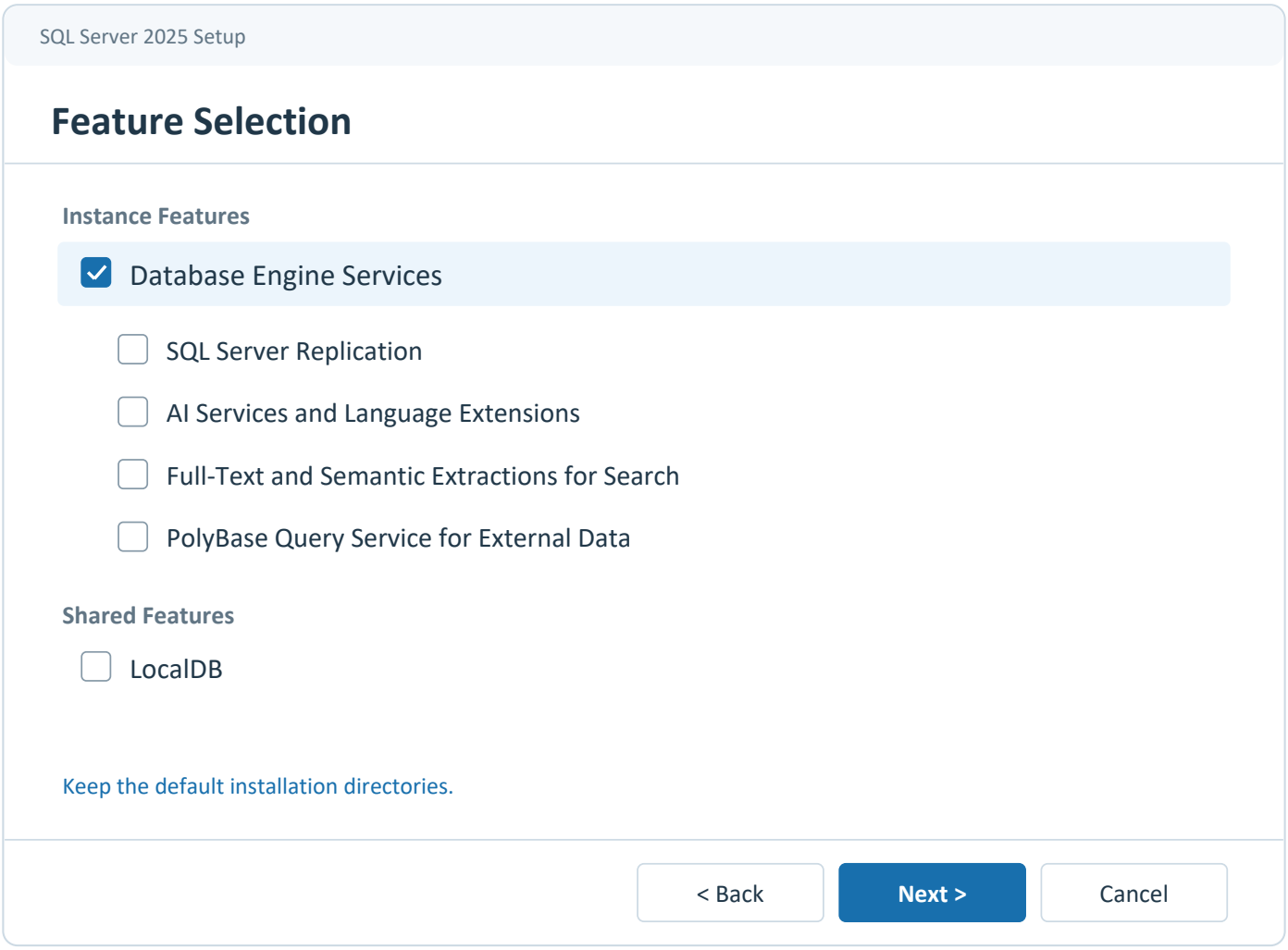
Screen: Feature Selection

01 Keep **Database Engine Services** checked.

02 Clear **SQL Server Replication**, **AI Services and Language Extensions**, and **Full-Text and Semantic Extractions for Search**. Keep **PolyBase** and **LocalDB** unchecked.

03 Keep the default installation directories, then click **Next >**.

ILLUSTRATED SCREEN / KEY CONTROLS




Target selection: Database Engine Services checked; optional features unchecked.

> TeoCast uses the Database Engine for its station database. The optional features shown above are not required for this setup.

STEP 08

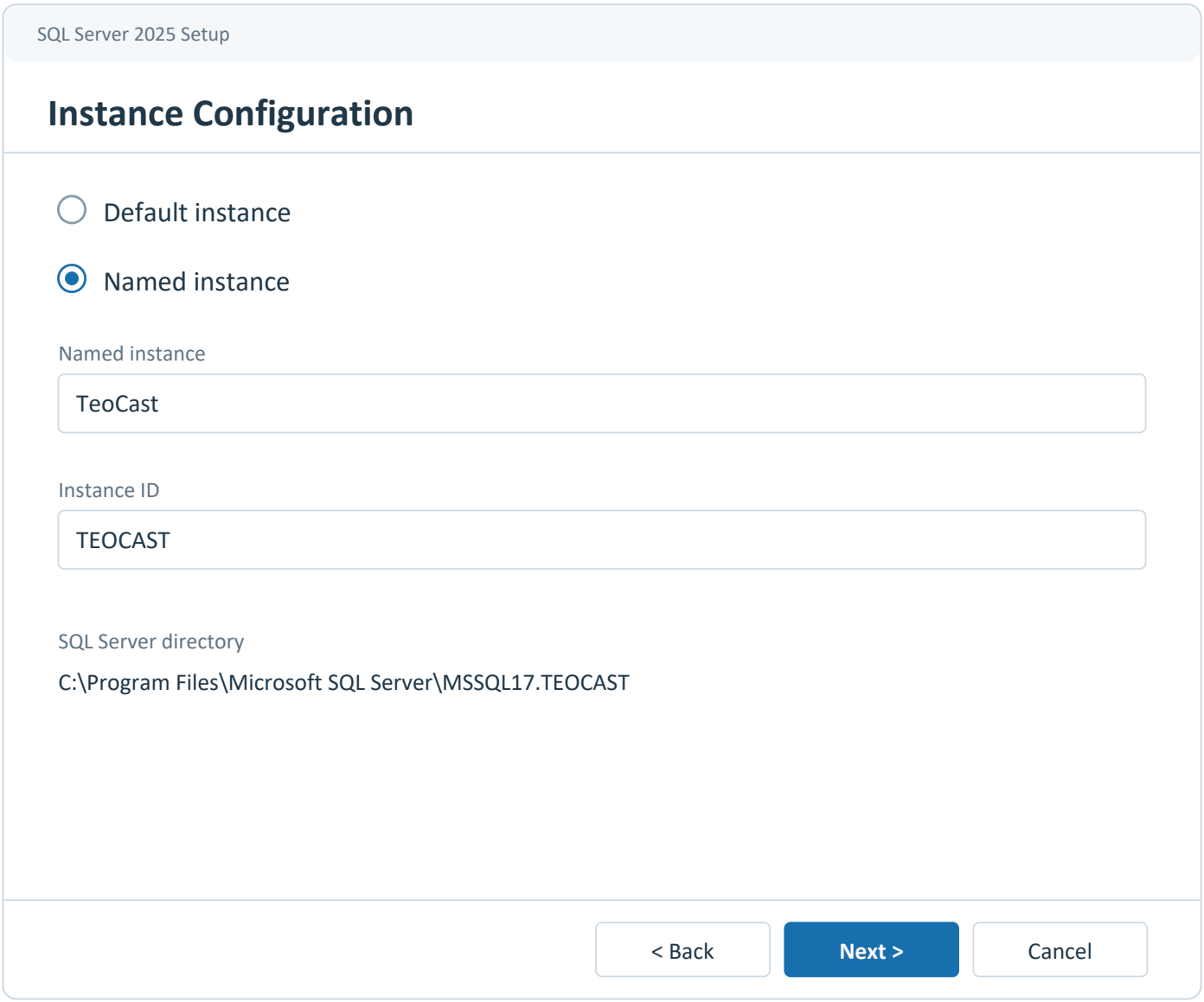
# Choose your SQL instance name

Screen: Instance Configuration

01 Select **Named instance**. Enter **TeoCast**, or another available name you want to use.

02 Let **Instance ID** follow the chosen name. Keep the default directory and note the exact instance name. Click **Next >**.

ILLUSTRATED SCREEN / KEY CONTROLS




Example: TeoCast / TEOCAST. Capitalization is not significant. The instance is separate from the database and SQL login.

> **If TeoCast is already installed:** reuse that instance if appropriate, or give a separate installation a unique name such as **TeoCast2025**. Two instances have separate databases; their data does not sync automatically.

STEP 09

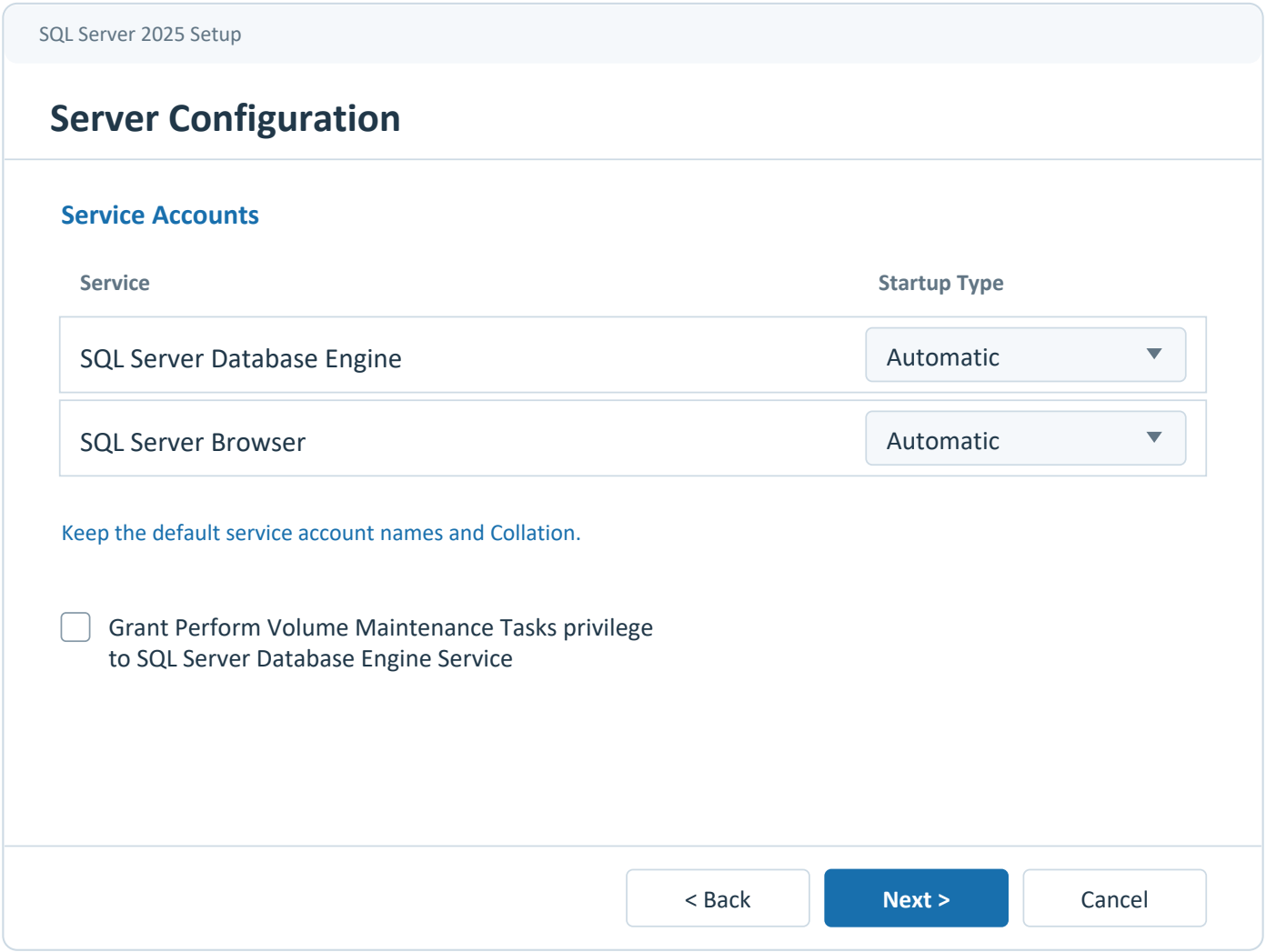
# Set the service startup options

Screen: Server Configuration > Service Accounts

01 Set **SQL Server Database Engine** to **Automatic**. Set **SQL Server Browser** to **Automatic** for this walkthrough.

02 Keep the default **Account Name** values and Collation. Leave **Grant Perform Volume Maintenance Tasks** unchecked. Click **Next >**.

ILLUSTRATED SCREEN / KEY CONTROLS




Target setting for this walkthrough: both services start automatically.

**Browser:** helps Workstations find a named instance. It is optional for Main-only use or a fixed-port connection. It does not enable SQL TCP/IP or open the firewall. Volume Maintenance is an optional performance privilege.

STEP 10

# Enable Mixed Mode authentication

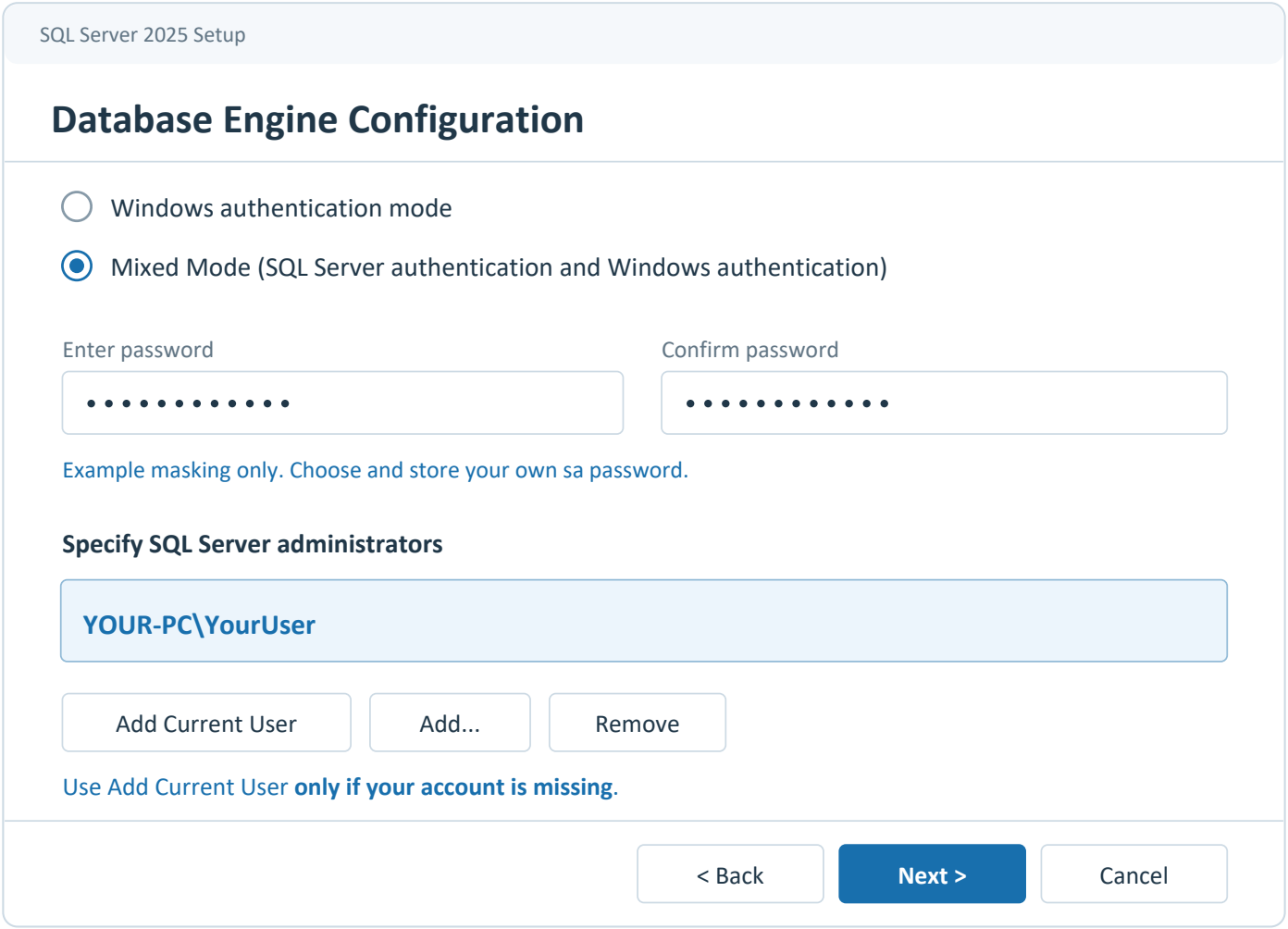
Screen: Database Engine Configuration > Server Configuration

01 Select **Mixed Mode (SQL Server authentication and Windows authentication)**.

02 Enter a strong password for the SQL administrator **sa**, then repeat it in **Confirm password**. Store it securely.

03 Check the administrator list. **If your Windows account is already listed, keep it.** Click **Add Current User** only if it is missing. Keep the other tabs at their defaults, then click **Next >**.

ILLUSTRATED SCREEN / KEY CONTROLS




Target settings: Mixed Mode selected, matching passwords entered, your Windows account listed.

> **Two different accounts:** Setup creates the **sa** administrator password. TeoCast will create a dedicated database login with its own password. Your Windows account must be a SQL administrator on this instance.

STEP 11

# Finish and confirm success

Screens: Installation Progress > Complete

01 Continue through the remaining checks. If a **Ready to Install** page appears, review it and click **Install**. Wait for Setup to finish.

02 On **Complete**, confirm that the installed features show **Succeeded**. Click **Close**. Restart Windows if Setup requests it.

ILLUSTRATED SCREEN / KEY CONTROLS

SQL Server 2025 Setup

## Complete

### Installation completed successfully

| Check / component | Status |
|---|---|
| Database Engine Services | Succeeded |
| SQL Browser | Succeeded |
| SQL Writer | Succeeded |
| Setup Support Files | Succeeded |

The installed feature list can vary with your selections.

Close

Success example: installed components show Succeeded. Your feature list may differ.

> **If Replication is also listed:** it was selected during installation. It is optional for TeoCast; seeing it listed as Succeeded is not a failure and does not require a reinstall.

AFTER SQL INSTALLATION

# Create a new TeoCast station

Screen: SQL Server Settings | Main startup setup

**01** Open the updated **TeoCast Main** as the Windows user added as a SQL administrator on the selected instance. New or unconfigured installations open SQL setup at startup.

**02** In **SQL instance name**, type the name chosen in SQL Setup: **TeoCast** in this example. Keep advanced mode off for a named instance on this PC.

ILLUSTRATED SCREEN / KEY CONTROLS

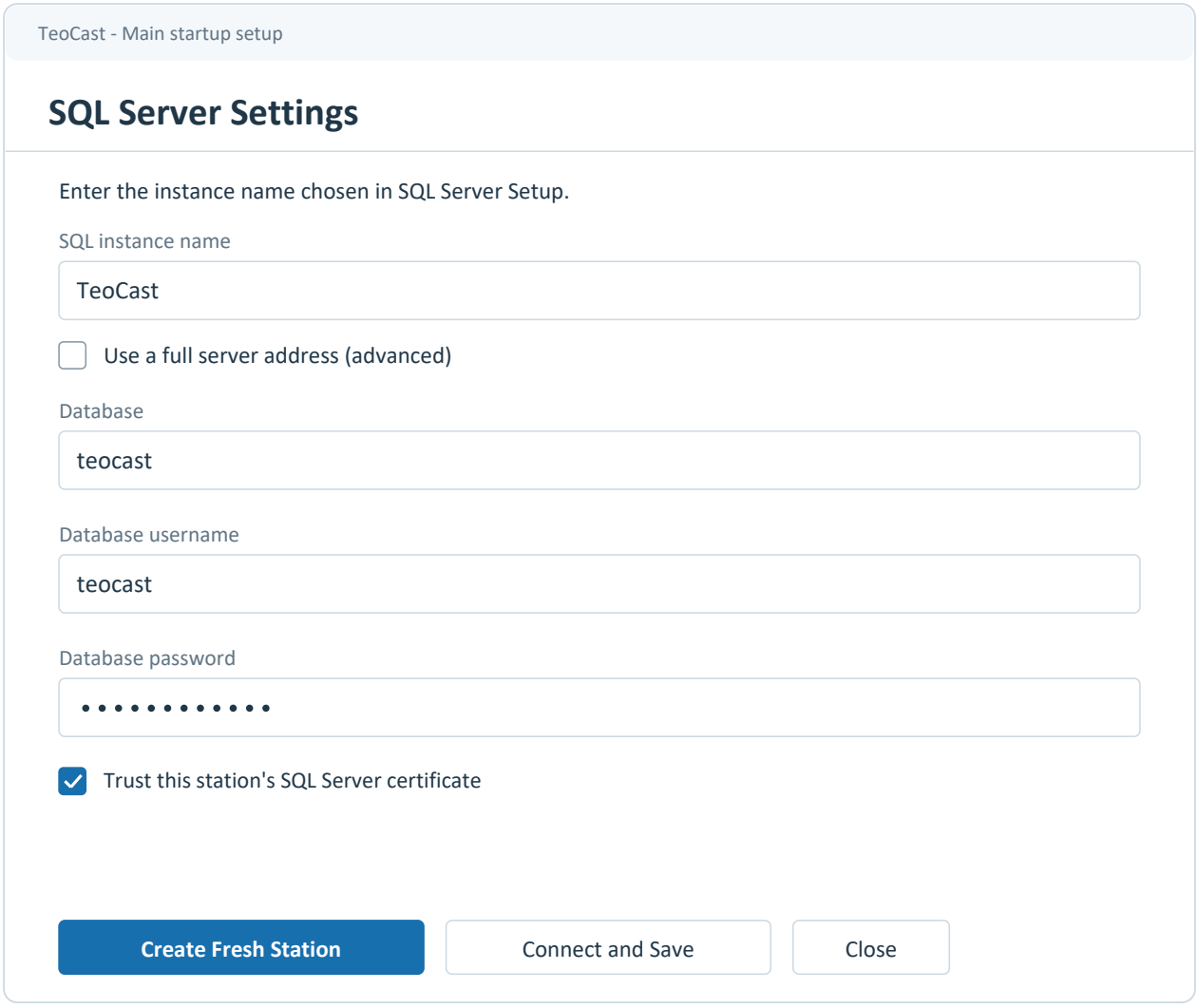



Illustration: local instance TeoCast, database teocast, new dedicated SQL login teocast. Password dots are examples only.

> Choose a **new database password**, then click **Create Fresh Station**. TeoCast uses your Windows SQL administrator access to create the database and login. Do not put your Windows password or the sa administrator account in these new-station fields.

CONNECTION DETAILS

# Keep the three names separate

Instance, database and login each have a different job

| | |
|---|---|
| **SQL instance name** | TeoCast - the SQL engine you installed |
| **Database** | teocast - this station's data |
| **Database username** | teocast - a SQL login for the connection |

## After Create Fresh Station succeeds

01 Record the actual full server address, database and username shown after creation, and store the password securely. TeoCast may add a suffix to database or login names already in use.

02 The **sa** password from SQL Setup belongs to the SQL administrator. The dedicated database password connects Main and Workstation. TeoCast's in-app user sign-in is a separate account.

## Connect to an existing station

01 Enter the existing station's database, SQL login and password, then choose **Connect and Save**. It verifies the existing station; it does not create a missing database.

02 For a local named instance, enter only its name. For a remote server, a default instance or a full address, check **Use a full server address (advanced)** and enter the complete address, for example **STUDIO-PC\TeoCast**.

> **Main Control Panel:** the configured server address is read-only in **System > SQL Server Settings**. You can select and copy this address for Workstation setup.

An instance called TeoCast2019 can still use a database and login called teocast. The names do not need to match. Creating another instance or fresh station does not copy your music library, campaigns or records.

WORKSTATION CONNECTION

# Share Main's station database

Install the SQL Server engine on Main only

> **One station, one shared connection.** Main and Workstation must point to the **same server/instance and database**. Installing SQL 2019 and SQL 2025 on one PC does not merge or synchronize their databases.

## Set up the separate Workstation PC

01 Keep Main running. In Main's **Control Panel > System > SQL Server Settings**, copy the full server address, actual database name and database username.

02 Open TeoCast Workstation setup. Enter Main's full address, such as **STUDIO-PC\TeoCast**, and the same database, SQL login and database password. Choose **Connect and Save**.

03 Do not use **.\TeoCast** on another PC: the dot means that other PC itself. The Workstation does not need a local SQL Server engine.

## Allow the connection on Main

01 In **SQL Server Configuration Manager**, enable **TCP/IP** for the intended instance, then restart that SQL Server service when required.

02 Allow the instance's **actual SQL TCP port** through the firewall on your trusted station network. A named instance may use a dynamic port; do not assume TCP 1433.

03 For named-instance discovery, run **SQL Server Browser** and allow **UDP 1434**. Alternatively, configure a fixed SQL TCP port and use a full address such as **tcp:STUDIO-PC,PORT**, replacing PORT with that number.

> **Media and authorization:** TeoCast Main also uses **TCP 16453** for its media/authorization service. This is separate from the SQL database port. SQL connectivity alone does not configure that service.

TROUBLESHOOTING

# Check the cause before retrying

Keep the exact SQL error number and selected instance details

### SQL 53: server cannot be reached

Check the instance name and that its SQL service is running. On another PC, use Main's full server address and verify TCP/IP, the actual SQL port, firewall and instance discovery.

### SQL 18456: login failed

Use the dedicated SQL database login and password, not a Windows username/password. Confirm Mixed Mode is enabled and that this login exists and is enabled on the selected instance.

### SQL 4060: database cannot be opened

Confirm the exact database exists on the selected instance and the login can access it. Connect and Save needs an existing TeoCast station. Use Create Fresh Station only when you intend a new station.

### SQL 5170: a database file already exists

SQL uninstall can leave database files behind. Do not repeatedly create fresh stations to bypass this. Ask an administrator to inspect the exact file and preserve any needed data before cleanup.

### Create Fresh Station needs a SQL administrator

The current Windows account must be a member of SQL Server's sysadmin role on the selected instance. Installing SQL earlier, or being a Windows administrator, does not by itself confirm this access.

### Setup reports Failed, or restart required

Open the failed item or Setup summary log for details. If a restart is required, save your work, restart Windows and reopen setup.exe. A firewall warning alone does not block local installation.

> **Preserve the station:** Create Fresh Station is not a repair or reconnect command. Uninstalling SQL Server does not guarantee removal of user database files. Keep backups before changing an existing station.

FINAL CHECKS AND REFERENCES

# Confirm the station is ready

SQL Server 2025 Express | English edition 03

**01** Confirm SQL Setup completed successfully and the intended instance is running.

**02** Confirm Main opens using the expected server and database. Import a sample music file, play it, then reopen Main to check that its library entry persists.

**03** If you use a Workstation, confirm it connects to the same station and can access the expected library and media.

**04** Store connection details and database backups securely. Install applicable Microsoft SQL Server servicing updates; offline base media may not include current fixes.

## Downloads and references

TeoCast downloads and separate SQL installation guides

SQL Server 2025 hardware and software requirements

Install SQL Server with the Installation Wizard

Instance Configuration: names and instance IDs

Choose an authentication mode

SQL Server network configuration

Configure Windows Firewall for Database Engine access

Download and install the latest SQL Server updates

## Document scope

TeoCast-specific instructions reflect the current custom-instance setup and application logic reviewed on 19 October 2026. Use the updated TeoCast installer for the simple instance-name field. Figures are simplified, labeled vector illustrations based on observed controls; they are not screenshots. Microsoft Setup screens and optional features may vary with the downloaded package and updates.