# COBI.time Installation

## Requirements

- Node.js Version 22.14.0 LTS
- Microsoft IIS (Web Server)
- URL Rewrite Module for Microsoft IIS
- PostgreSQL Database
- SAP Business One Service Layer
- SAP Business One 10 (Patch Level 2 or higher)

## Preparation & Prerequisites

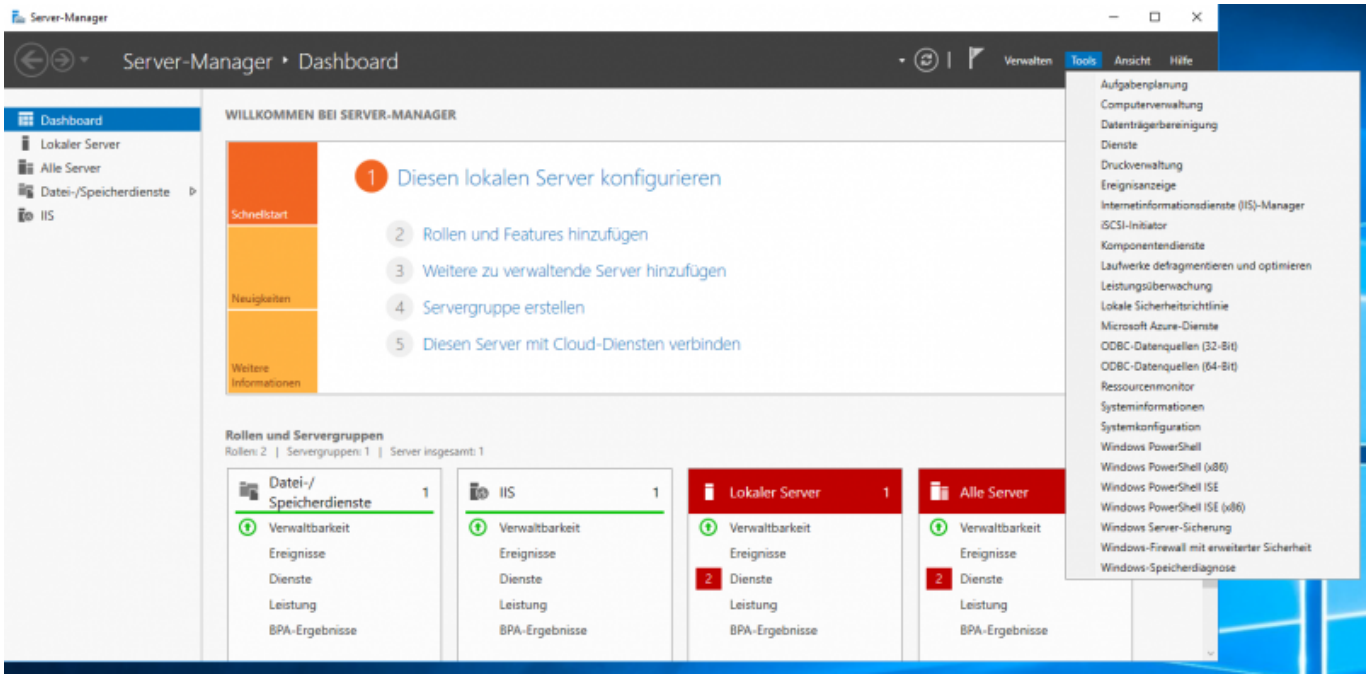
### Node.js Installation

Download the LTS version of Node.js:
nodejs.org/dist/v22.14.0/node-v22.14.0-x64.msi and run the installer.
Keep all default settings during the installation process.

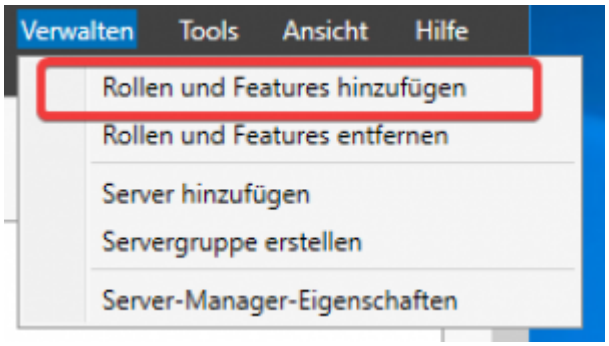
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### IIS Installation

If Microsoft IIS is already installed, ensure that **Dynamic Content Compression** is enabled.
Also verify whether IIS has already been installed:

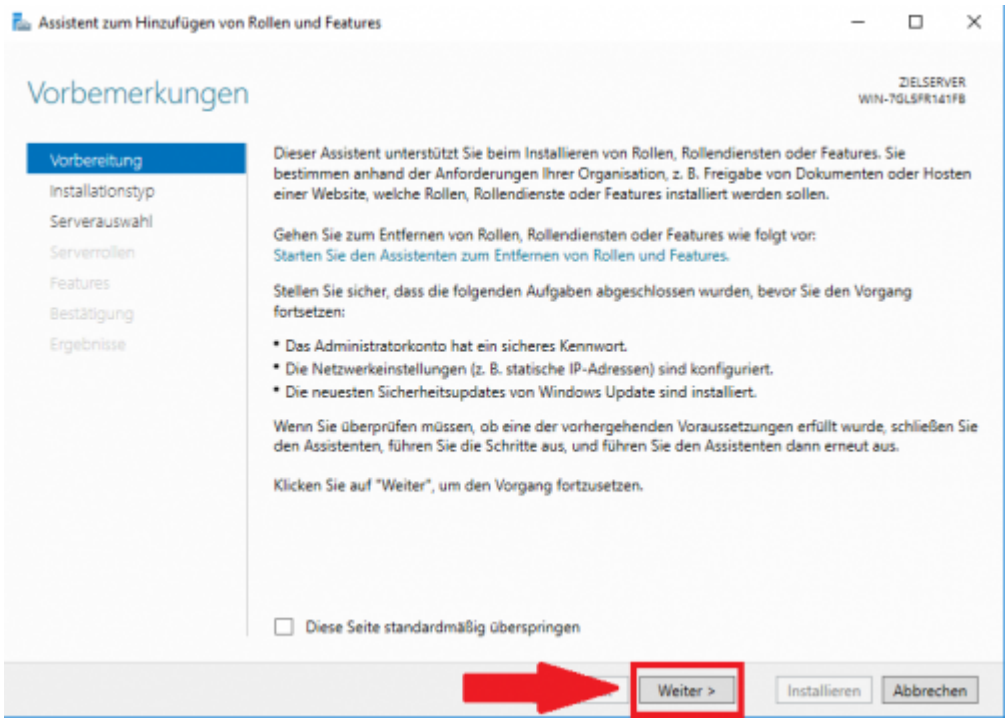


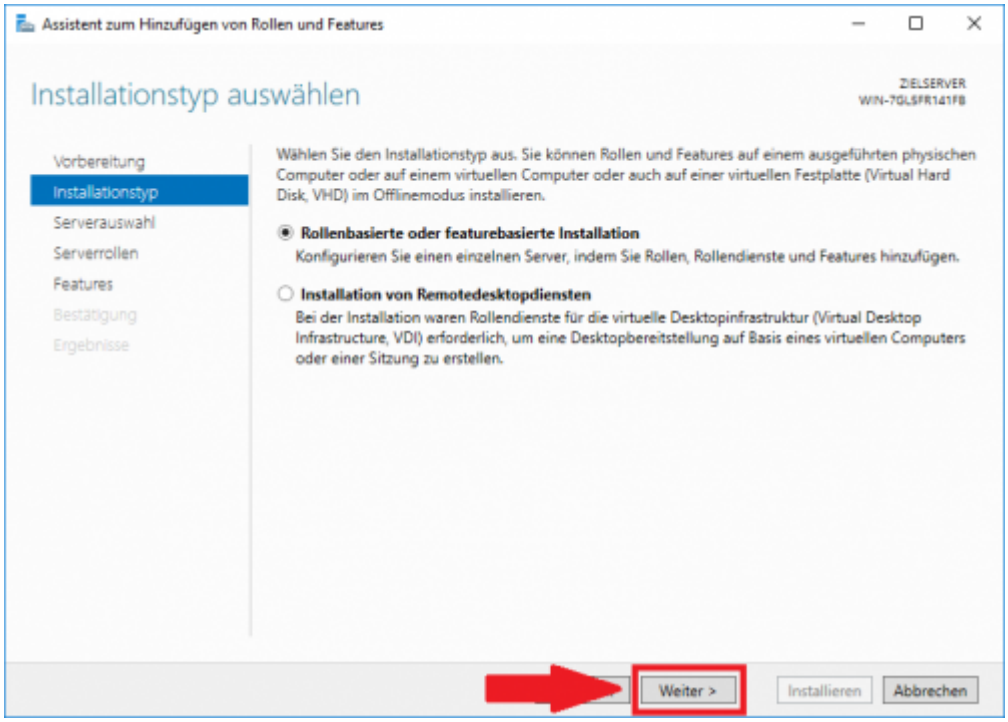
If not, install Microsoft IIS:

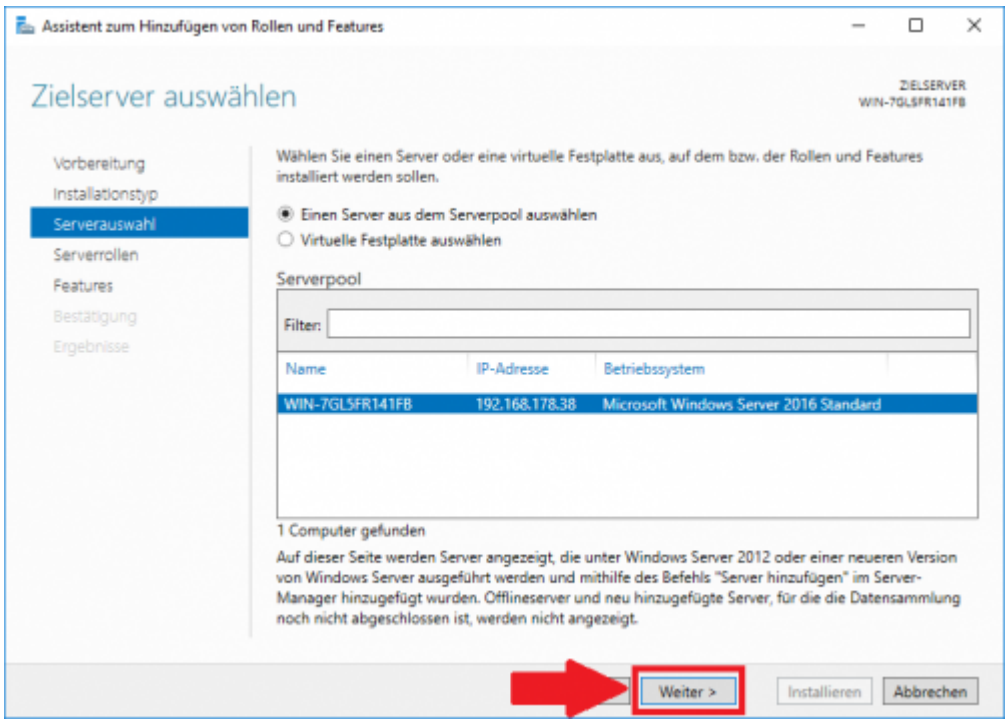



Add Roles and Features:

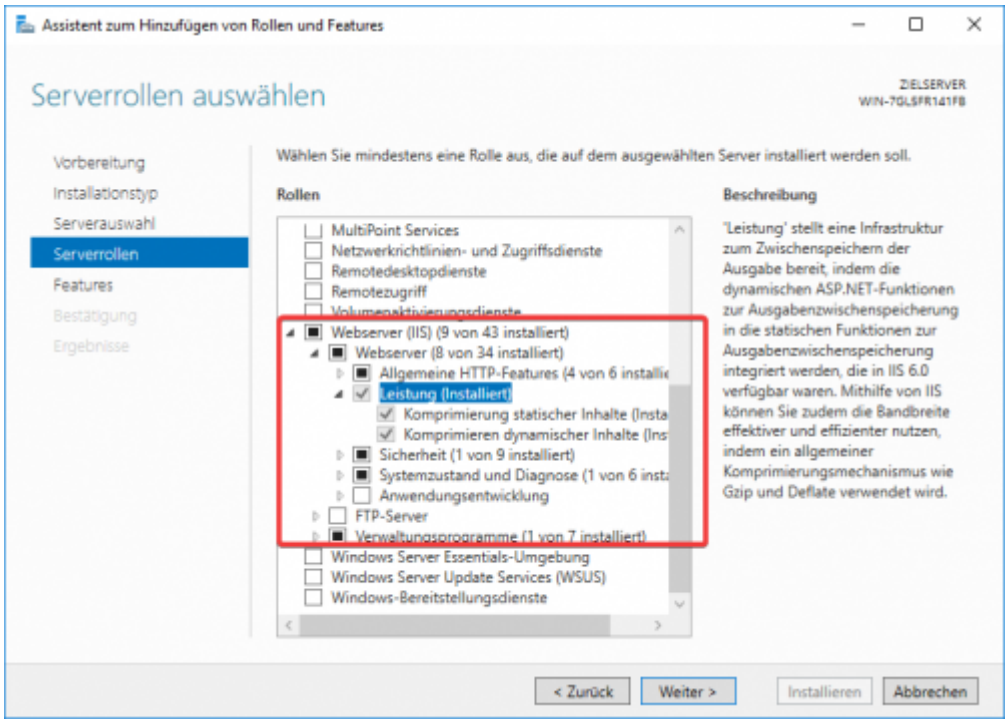
Click **Next** through the wizard steps:






Select the **Web Server (IIS)** role.
Under **Performance**, ensure that **Dynamic Content Compression** is enabled.




Click **Next** and complete the installation. A server restart is usually not required.

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### IIS URL Rewrite Module Installation

After IIS has been installed successfully, install the Microsoft URL Rewrite Module:
https://www.iis.net/downloads/microsoft/url-rewrite

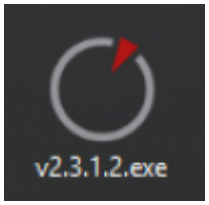
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## COBI.time Setup Wizard

Run the setup executable vX.X.X.X.exe as Administrator to start the installation wizard.

### Step 1: Start the Setup

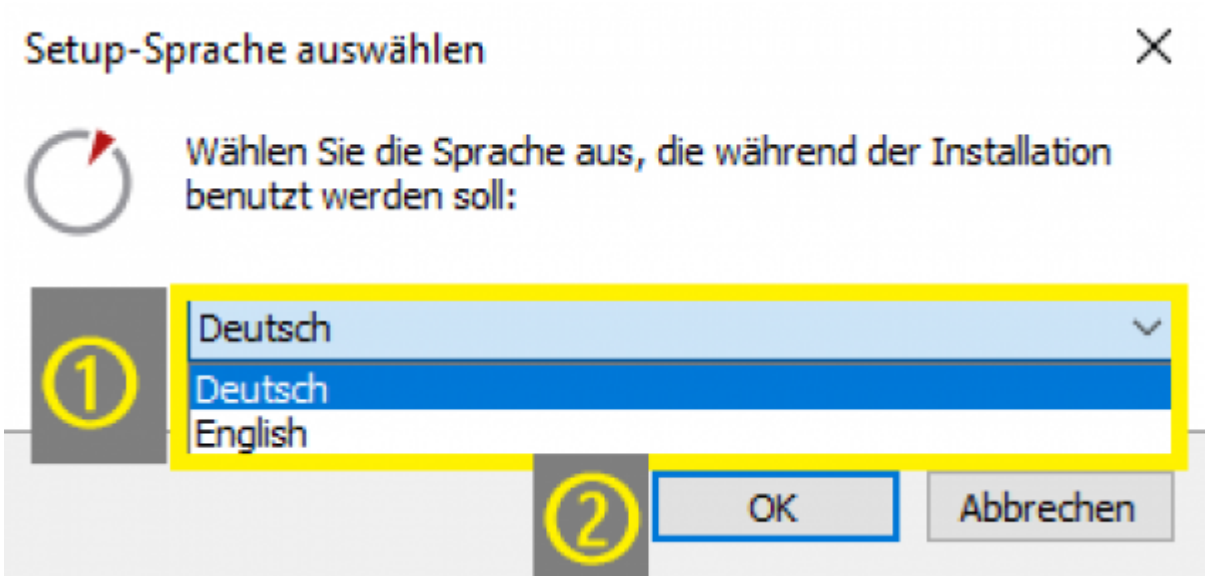
Start the installation using the provided installer file.




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## Step 2: Select Setup Language

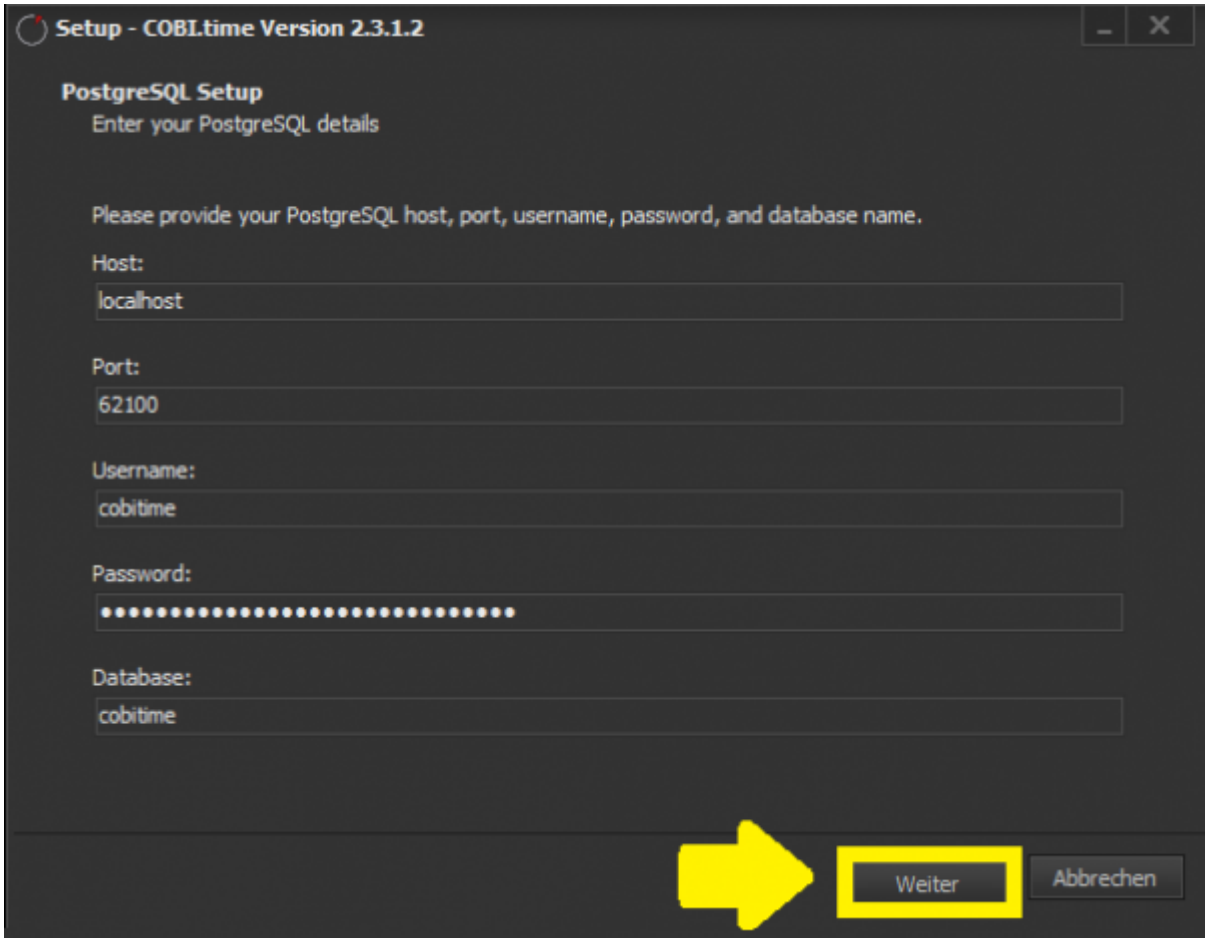
(1) Select your preferred language (e.g., German or English) from the list.
(2) Confirm with **OK**.




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## Step 3: PostgreSQL Configuration

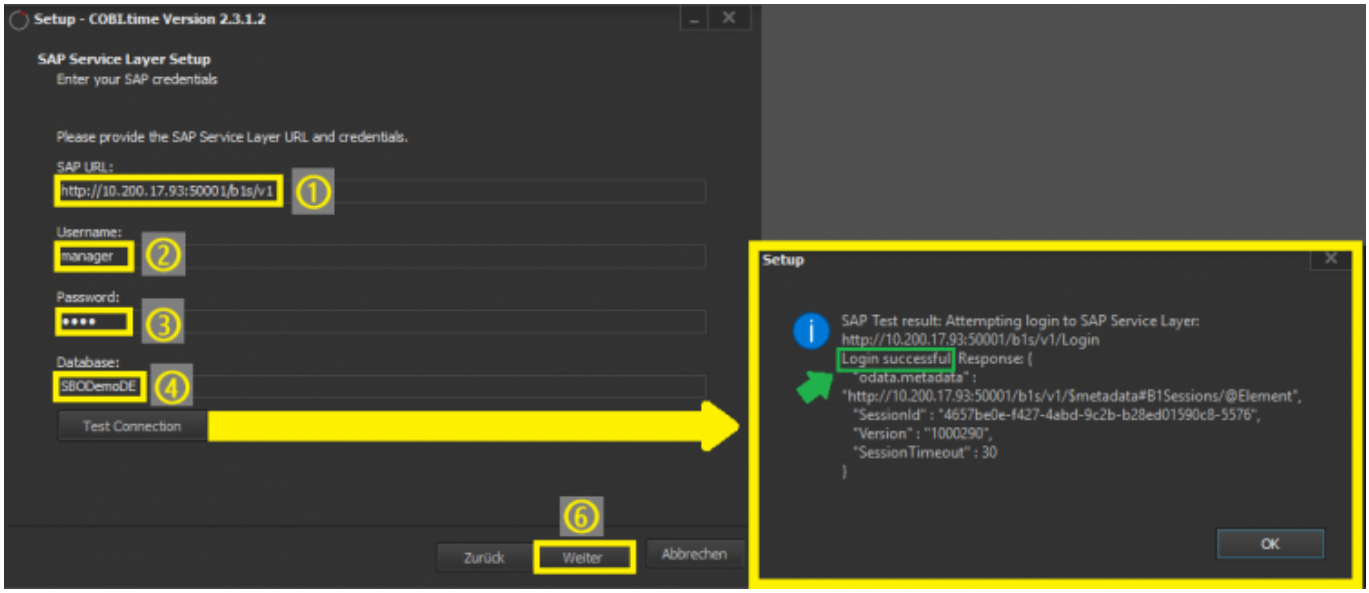
Enter the connection information for your PostgreSQL database (host, port, username, password, and database name).
Then click **Next**.




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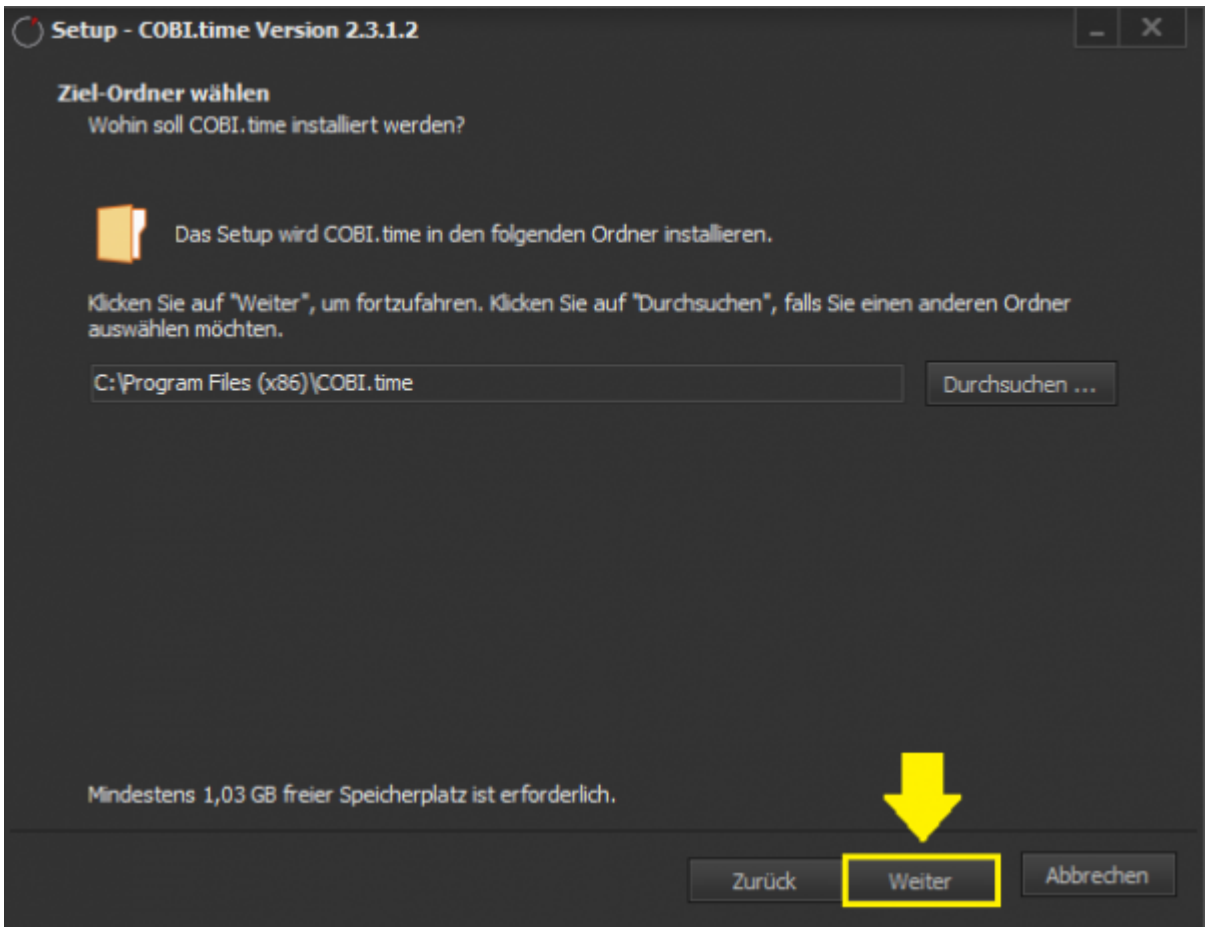
## Step 4: SAP Service Layer Configuration

(1) Enter the SAP Service Layer URL (e.g., `http://10.200.17.93:50001/b1s/v1`).
(2) Enter the SAP username (e.g., `manager`).
(3) Enter the corresponding password.
(4) Enter the exact SAP company database name (e.g., `SBODemoDE`).
(5) Click **Test Connection** and ensure the message `Login successful` appears.
(6) Click **Next**.



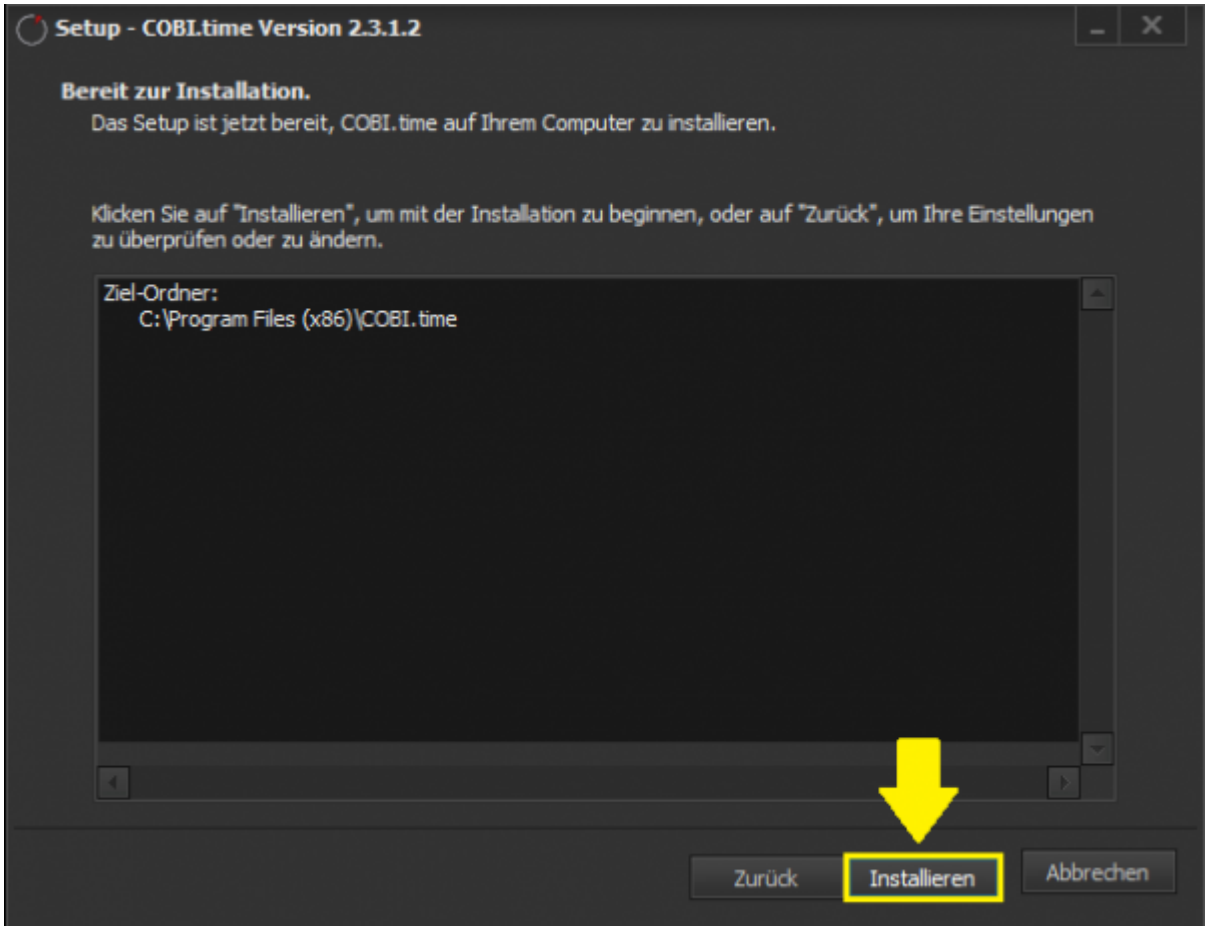
## Step 5: Select Installation Directory

Choose the installation path. By default, COBI.time will be installed under `C:\Program Files (x86)\COBI.time`.
Click **Next**.




## Step 6: Ready for Installation

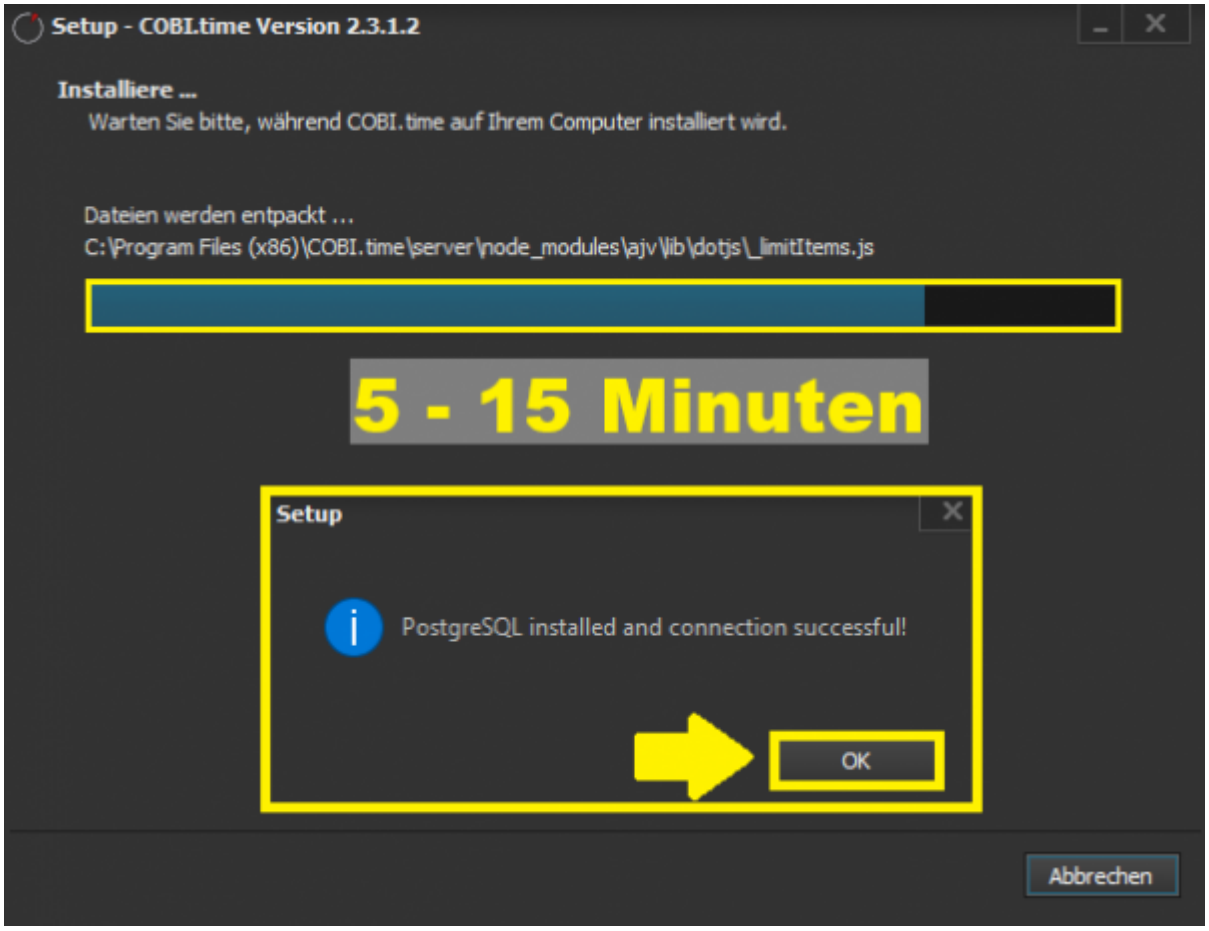
Review your settings and click **Install** in the bottom-right corner.




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## Step 7: Installation & Database Initialization

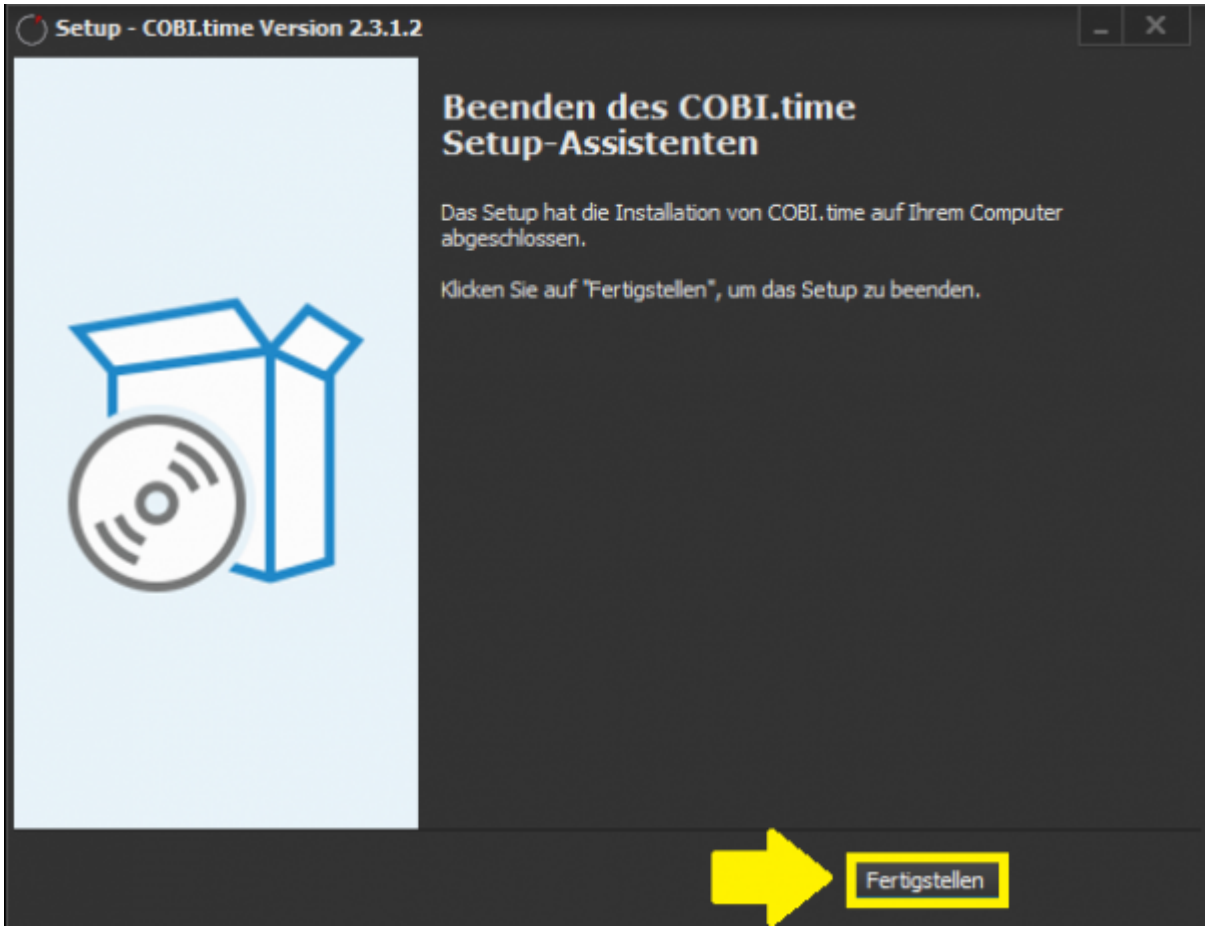
The installation process takes approximately 5 to 15 minutes.
Confirm the information window `PostgreSQL installed and connection successful!` by clicking **OK**.




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## Step 8: Finish Setup

Click **Finish** to close the wizard.

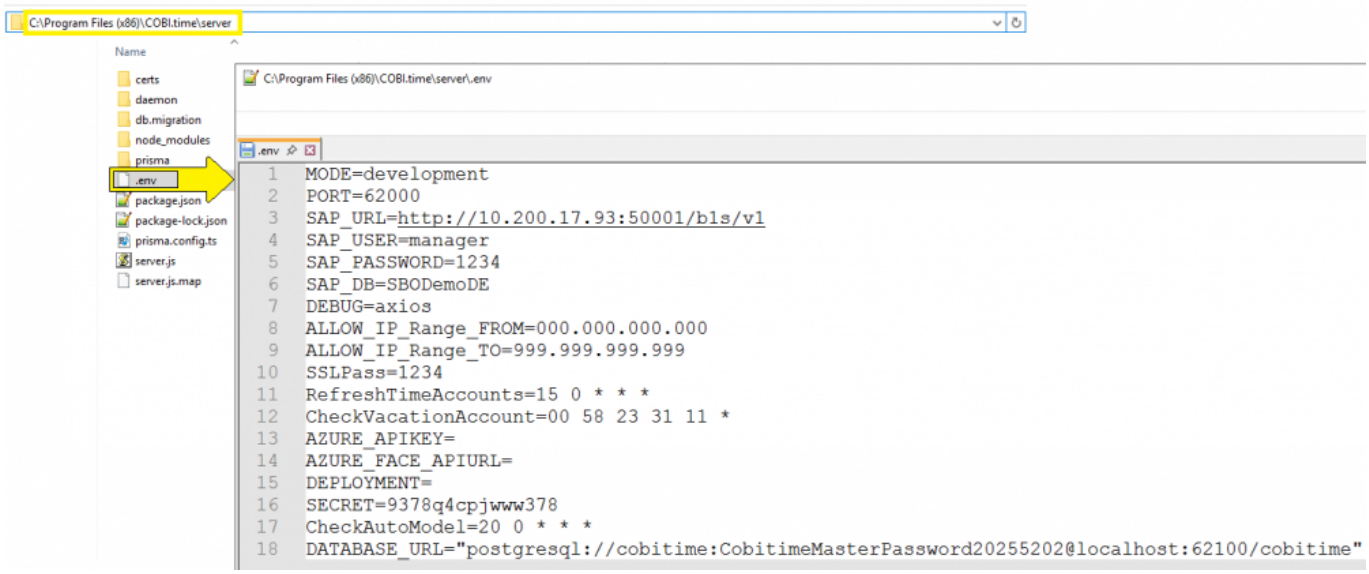



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# Post Configuration & Service Setup

## Configure the .env File

Navigate to the folder `C:\Program Files (x86)\COBI.time\server` and open the `.env` file using a text editor with Administrator privileges:



Verify the values. For productive use, adjust the following parameters:

```
MODE=production (Production or development mode. Set to production to
minimize logging.)
PORT=62000 (Specify the backend port for COBI.time.)
SAP_URL=https://localhost:50000/b1s/v1 (Service Layer URL.
Replace localhost with the actual Service Layer IP address.)
SAP_USER=manager (SAP user with an indirect access license or higher.)
SAP_PASSWORD=**** (SAP user password.)
SAP_DB=SBODemoDE93 (SAP database name.)
SSLPass=1234 (Password for a custom SSL certificate.
Keep 1234 if you do not provide another SSL certificate.)
SECRET=iosncaonmwdo1! (Replace with any random string used for token
encryption.)
```

> **SSL Certificate Note:** If you want to use your own SSL certificate, replace the files `cert.pem` and `key.pem` in the folder `C:\Program Files (x86)\COBI.time\server\certs` and adjust the `SSLPass` value in the `.env` file.

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## Install the COBI.time Service via PowerShell

Open Windows PowerShell as Administrator and execute the following commands:

(1) Change to the server directory:

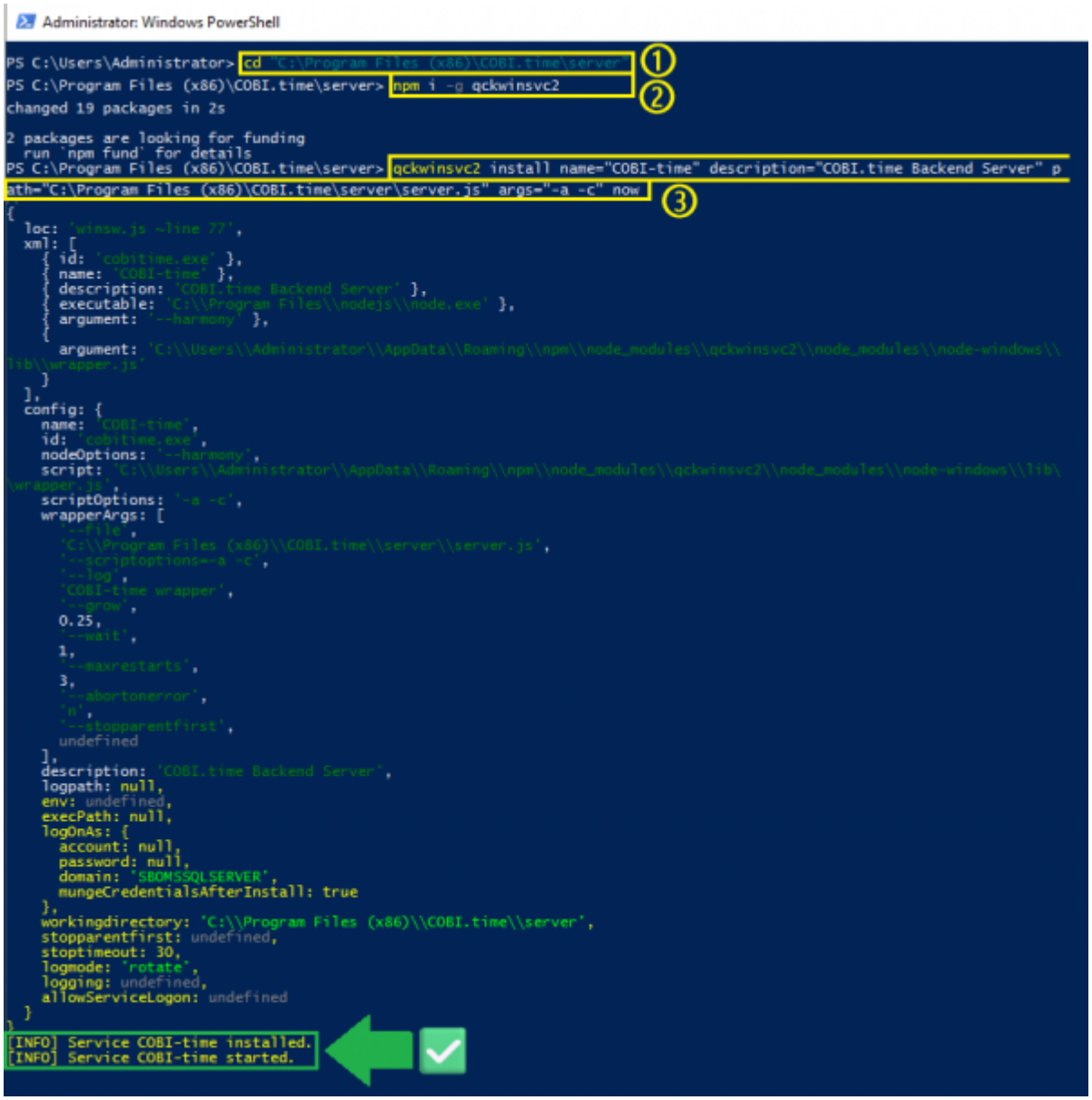
```
cd "C:\Program Files (x86)\COBI.time\server"
```

(2) Install the Windows service helper package globally:

```
npm i -g qckwinsvc2
```

(3) Register and start the COBI.time service:

```
qckwinsvc2 install name="COBI-time" description="COBI.time Backend Server"
path="C:\Program Files (x86)\COBI.time\server\server.js" args="-a -c" now
```

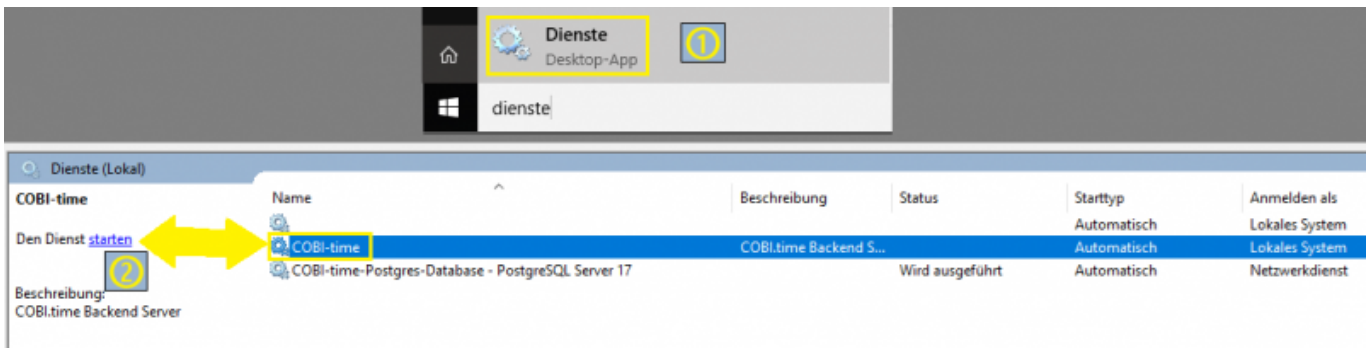



Ensure that the confirmation message `[INFO] Service COBI-time started.` appears at the end.

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## Verify the Service in Windows Services

Open the Windows Services Manager (`services.msc`). Locate the **COBI-time** service and ensure that its status is **Running** and its startup type is set to **Automatic**.



# IIS Web Server Configuration

1. Open **Internet Information Services (IIS) Manager**. 2. Select the **Default Web Site** and change the physical path to:

```
`C:\Program Files (x86)\COBI.time\dist`
```

3. **Import the Server Certificate:**

- Open **Server Certificates**.
- Right-click → **Import…**
- Select the certificate file `C:\Program Files (x86)\COBI.time\server\certs\cobitime.pfx` (default password: `1234`) or use your own SSL certificate.

4. **Adjust Site Bindings:**

- Remove the HTTP binding.
- Add an HTTPS binding and select the imported SSL certificate.
- Important: Enable the **Require Server Name Indication (SNI)** option.

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# Configure Backend Connection in the Frontend

Navigate to the folder `C:\Program Files (x86)\COBI.time\dist\cfg` and open the file `settings.js`.

For the backend URL, enter the server IP address or hostname including the port configured in the `.env` file (e.g., `https://10.200.17.93:62000`).

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# Initial Setup of COBI.time Data Structures (Web Setup)

> **Important:** Since COBI.time creates custom tables and fields in SAP Business One, make sure that **all users are logged out of SAP Business One** during the initial setup.

1. Ensure that the **COBI-time** service is running. 2. Open your browser and navigate to the setup page:

```
`https://localhost/Setup` (or your server address).
```

3. The web setup will automatically guide you through the creation of the required SAP tables, fields, and initial data:

- **Create Tables:** Click **Execute**. Once completed, restart the **SAP Service Layer** and confirm with **OK**.

- **Create Fields:** Click **Execute** again. Restart the **SAP Service Layer** a second time and confirm with **OK**.
- **Import Initial Data:** Click **Execute** one final time.

4. After completion, you will automatically be redirected to the login page (`https://localhost/Login`).

You can now log in using the default administrator credentials:

- **Username:** `admin`
- **Password:** `admin`

> **Security Notice:** Change the administrator password immediately after the first login!

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https://docs.cobisoft.de/wiki/ - **COBISOFT Documentation**

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**https://docs.cobisoft.de/wiki/playground/installation_guide?rev=1785748647**

Last update: **2026/08/03 09:17**