

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

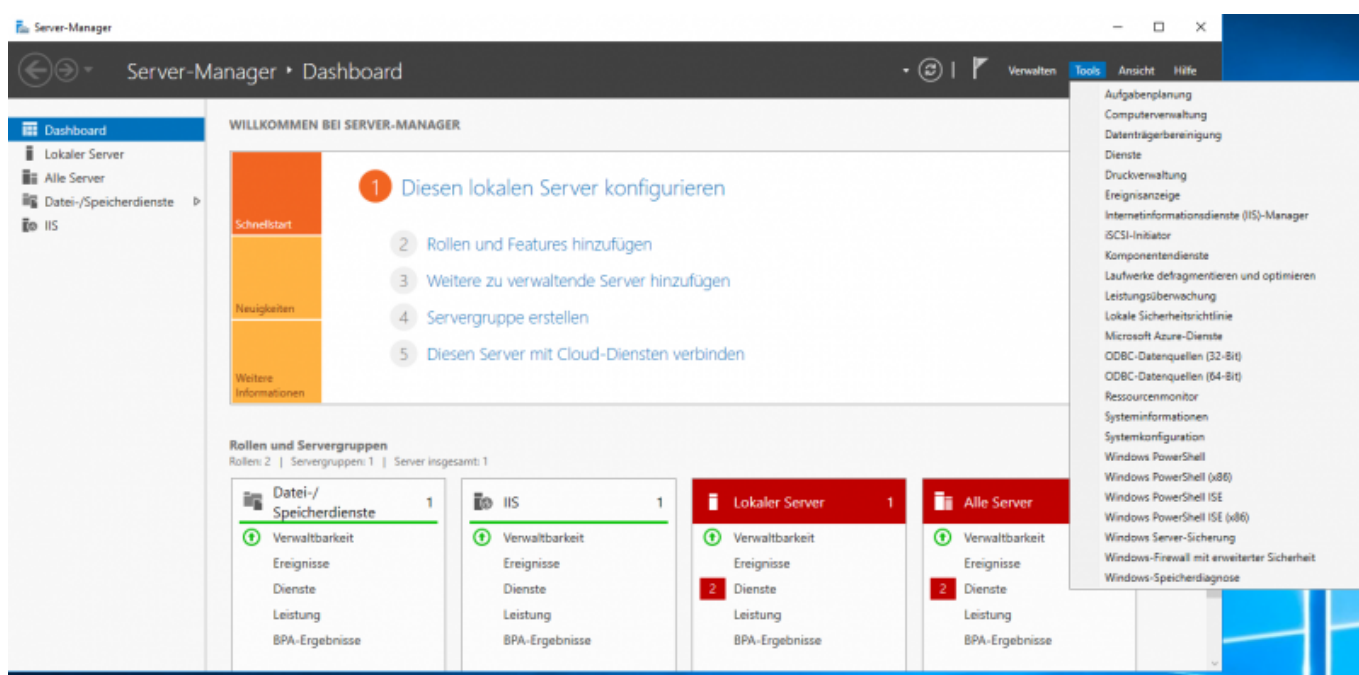
Download the LTS version of Node.js:

nodejs.org/dist/v22.14.0/node-v22.14.0-x64.msi and run the installer.

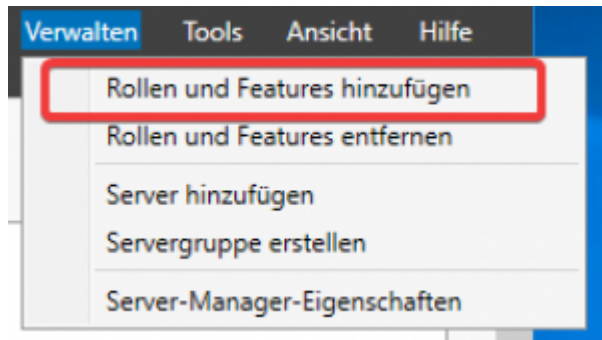
Keep all default settings during the installation process.

IIS Installation

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

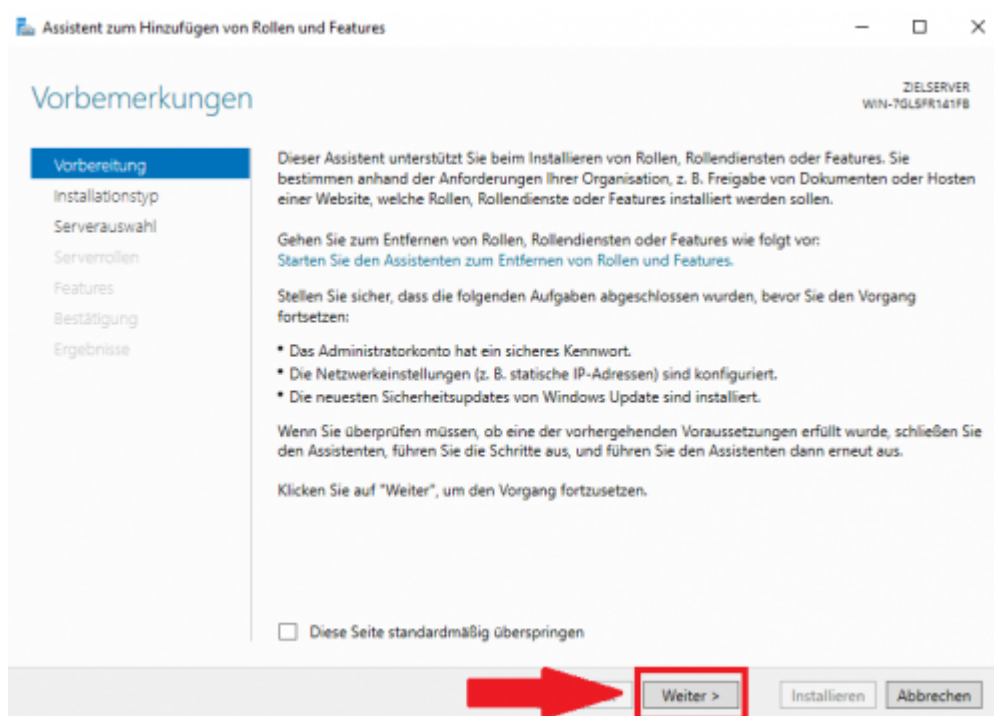


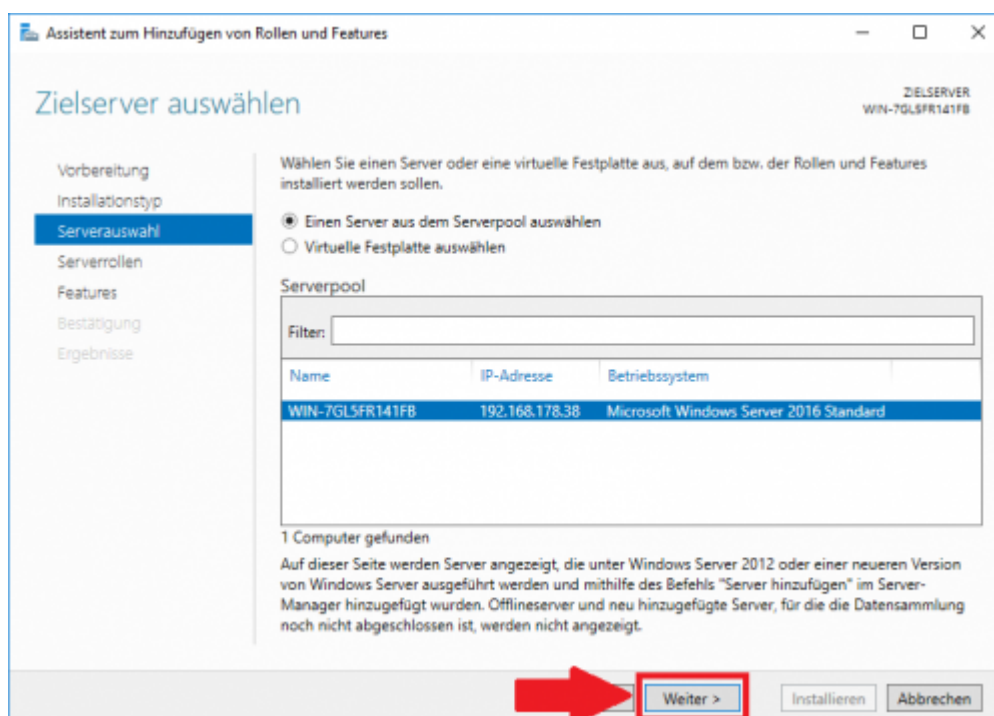
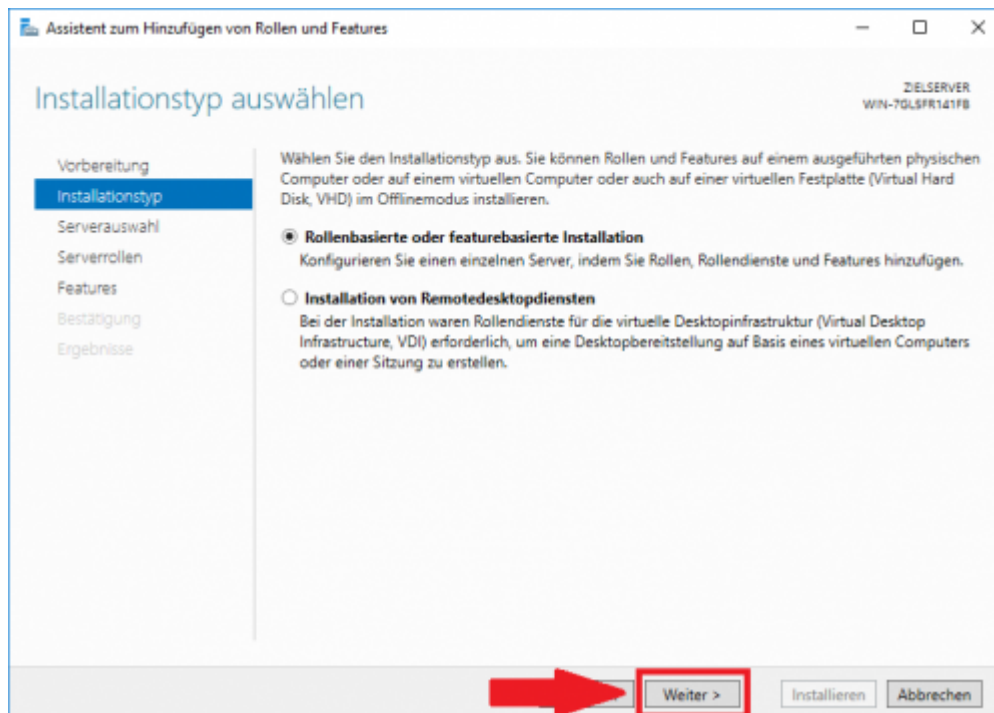
If not, install Microsoft IIS:



Add Roles and Features:

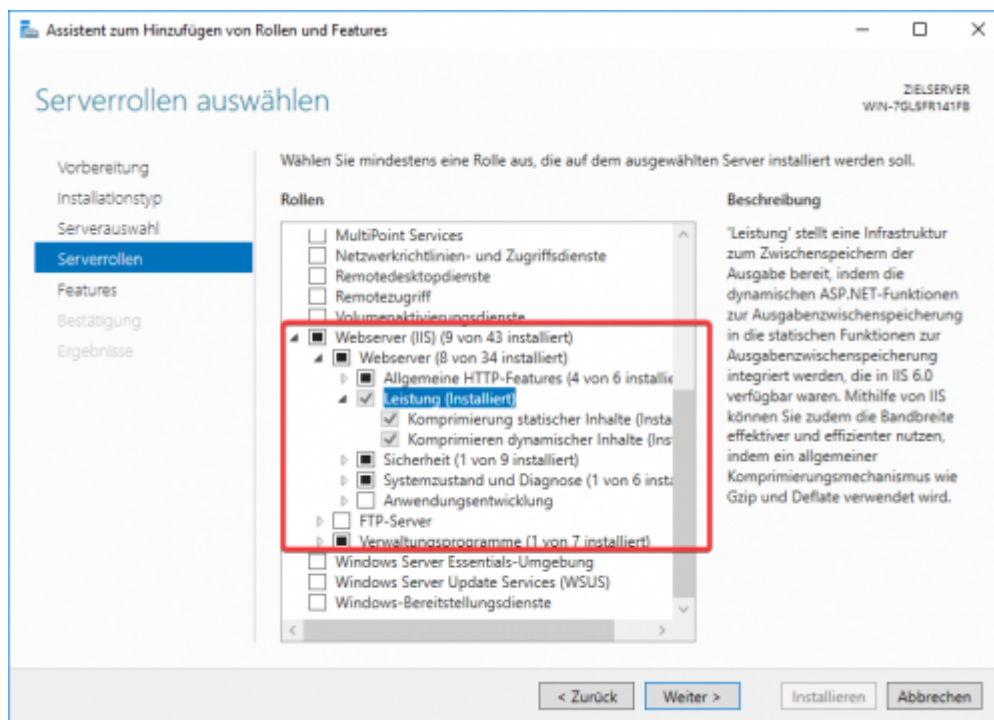
Click **Next** through the wizard steps:





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.

IIS URL Rewrite Module Installation

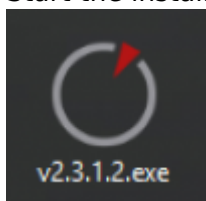
After IIS has been installed successfully, install the Microsoft URL Rewrite Module:
<https://www.iis.net/downloads/microsoft/url-rewrite>

COBI.time Setup Wizard

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

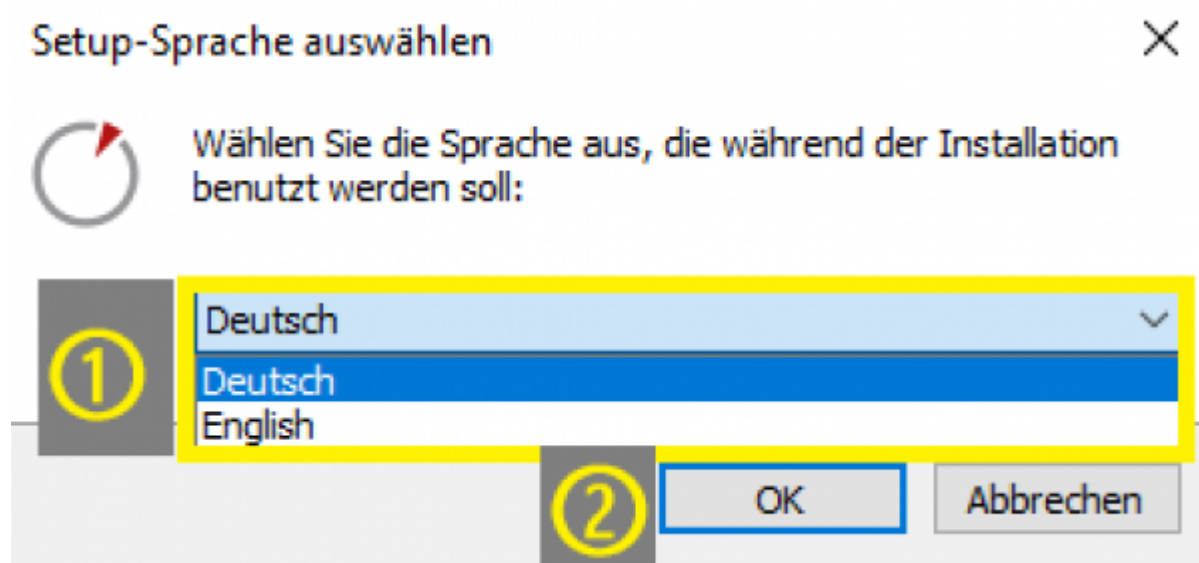
Step 1: Start the Setup

Start the installation using the provided installer file.



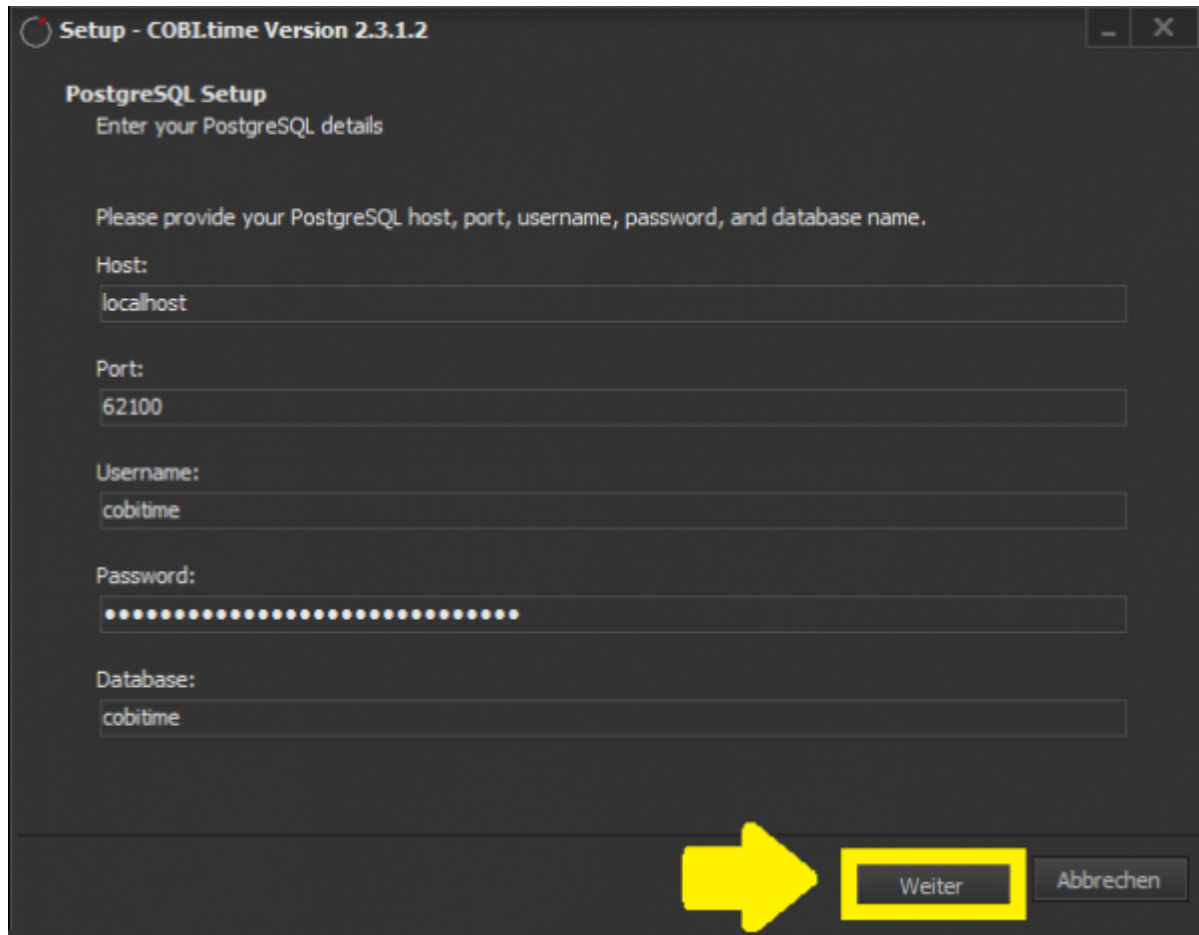
Step 2: Select Setup Language

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



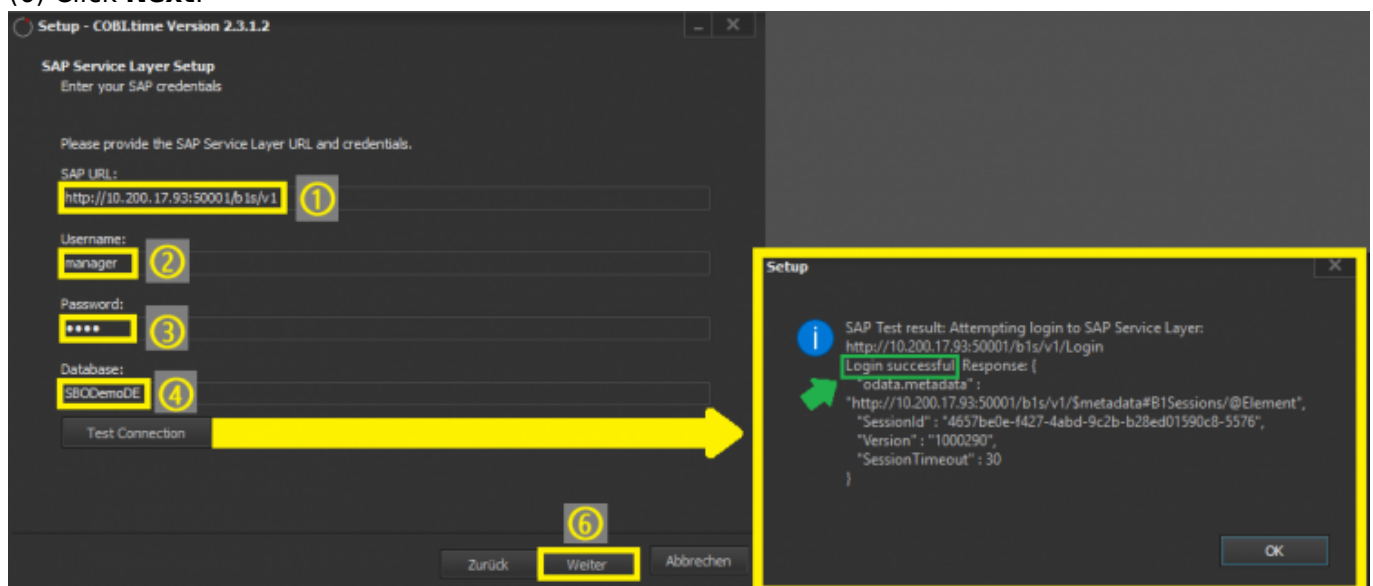
Step 3: PostgreSQL Configuration

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



Step 4: SAP Service Layer Configuration

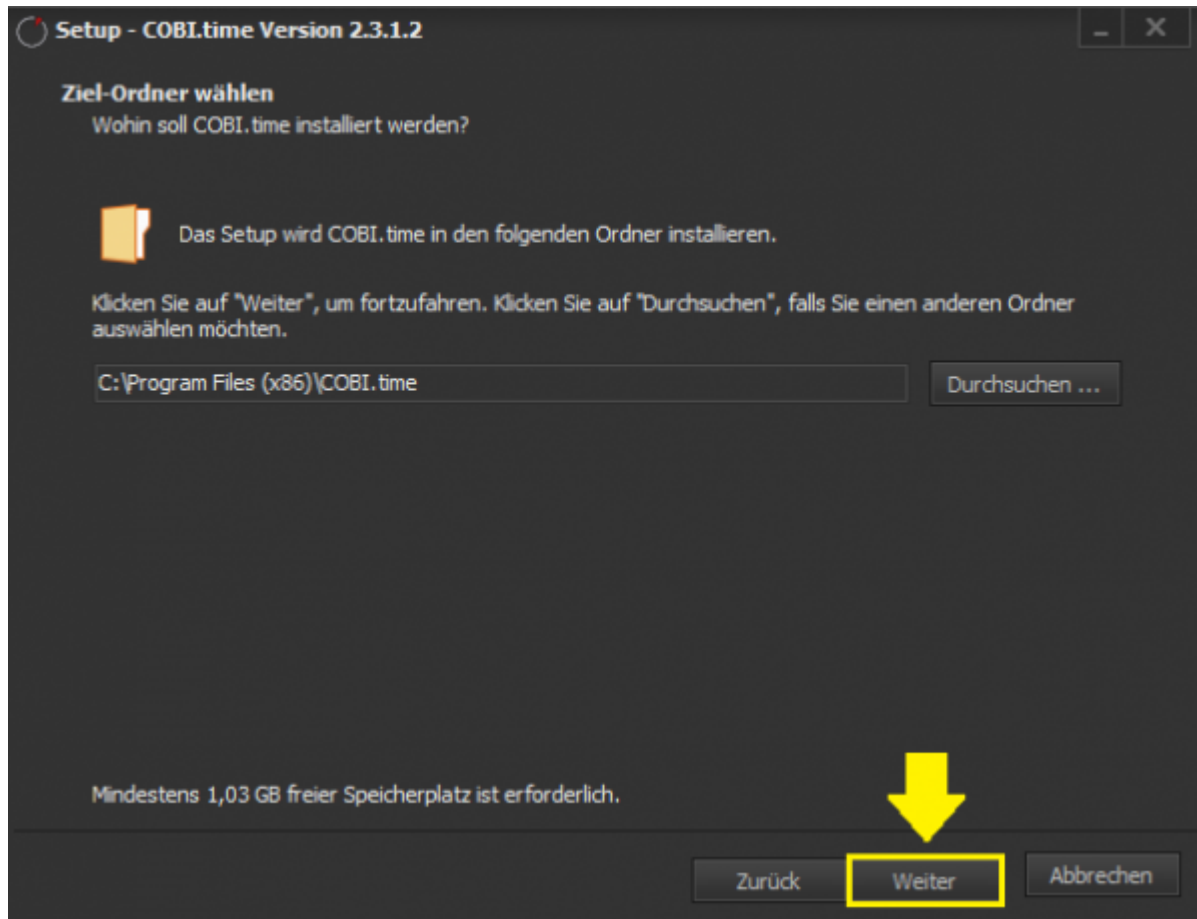
- (1) Enter the SAP Service Layer URL (e.g., ``http://10.200.17.93:50001/b1s/v1``).
- (2) Enter the SAP username (e.g., ``manager``).
- (3) Enter the corresponding password.
- (4) Enter the exact SAP company database name (e.g., ``SBODemoDE``).
- (5) Click **Test Connection** and ensure the message ``Login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



Step 5: Select Installation Directory

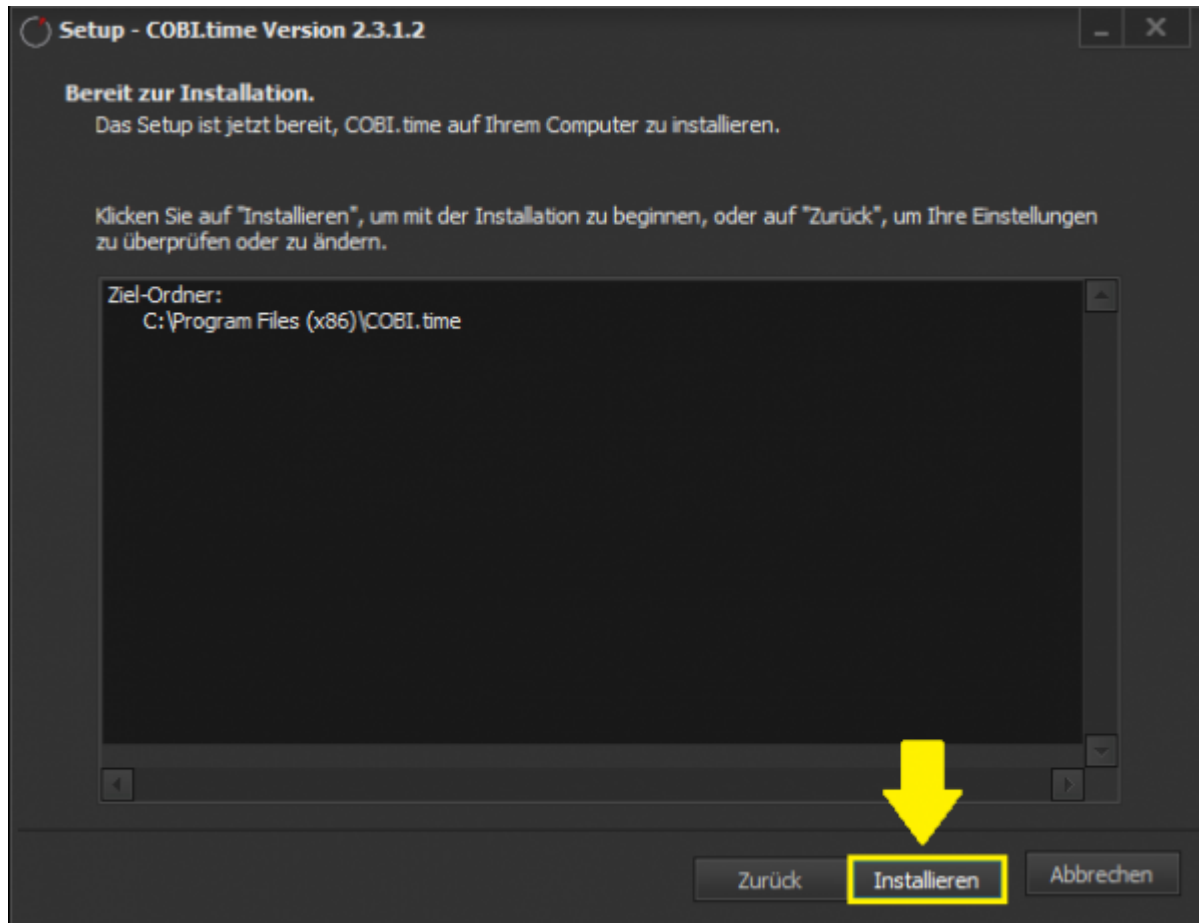
Choose the installation path. By default, COBI.time will be installed under `C:\Program Files (x86)\COBI.time`.

Click **Next**.



Step 6: Ready for Installation

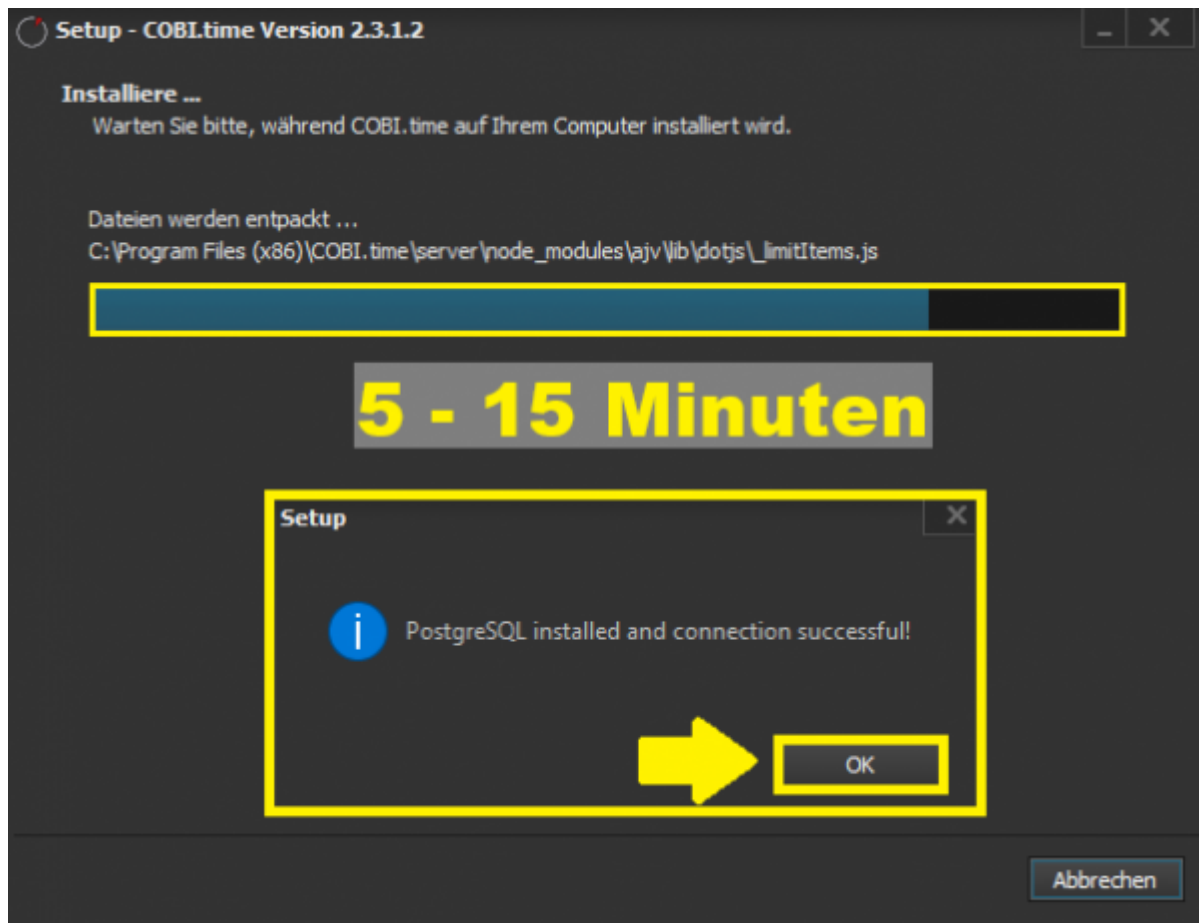
Review your settings and click **Install** in the bottom-right corner.



Step 7: Installation & Database Initialization

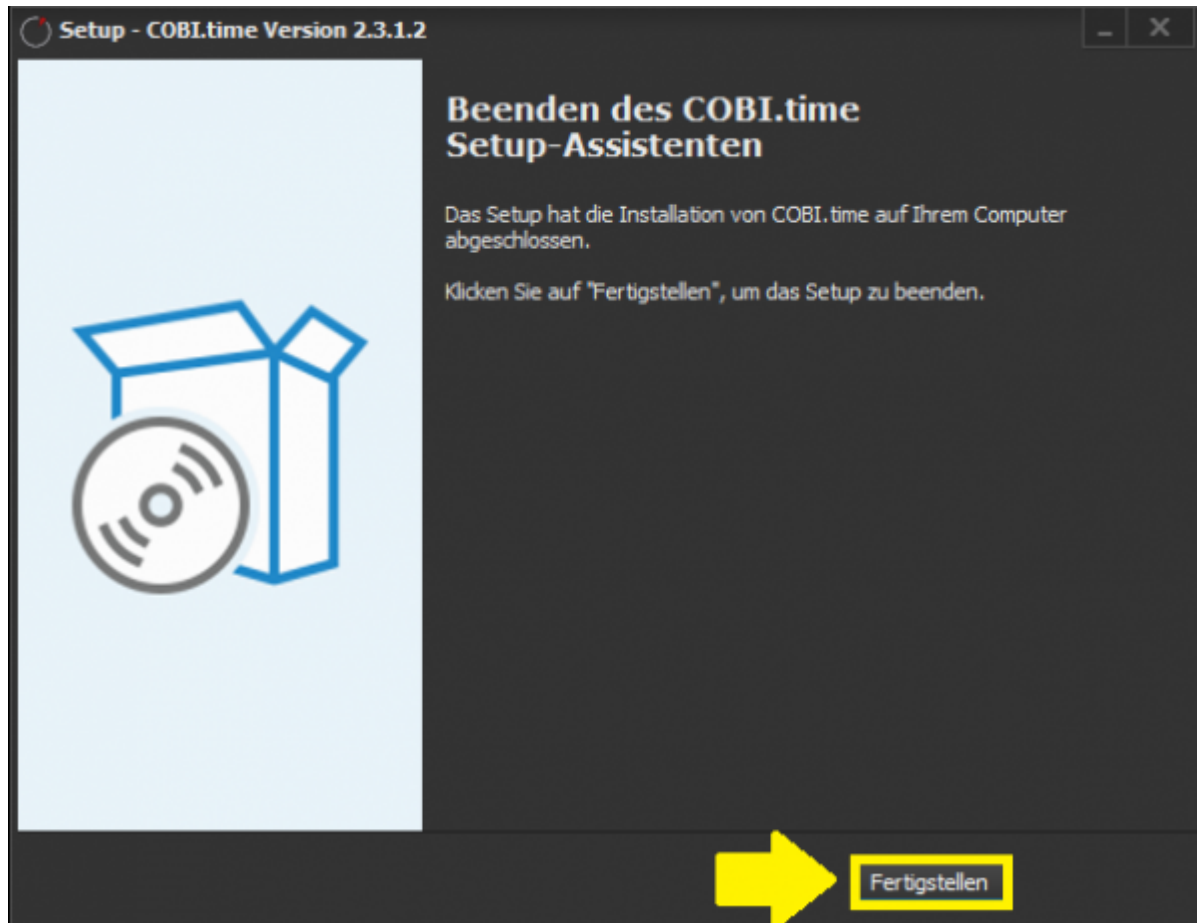
The installation process takes approximately 5 to 15 minutes.

Confirm the information window `PostgreSQL installed and connection successful!` by clicking **OK**.



Step 8: Finish Setup

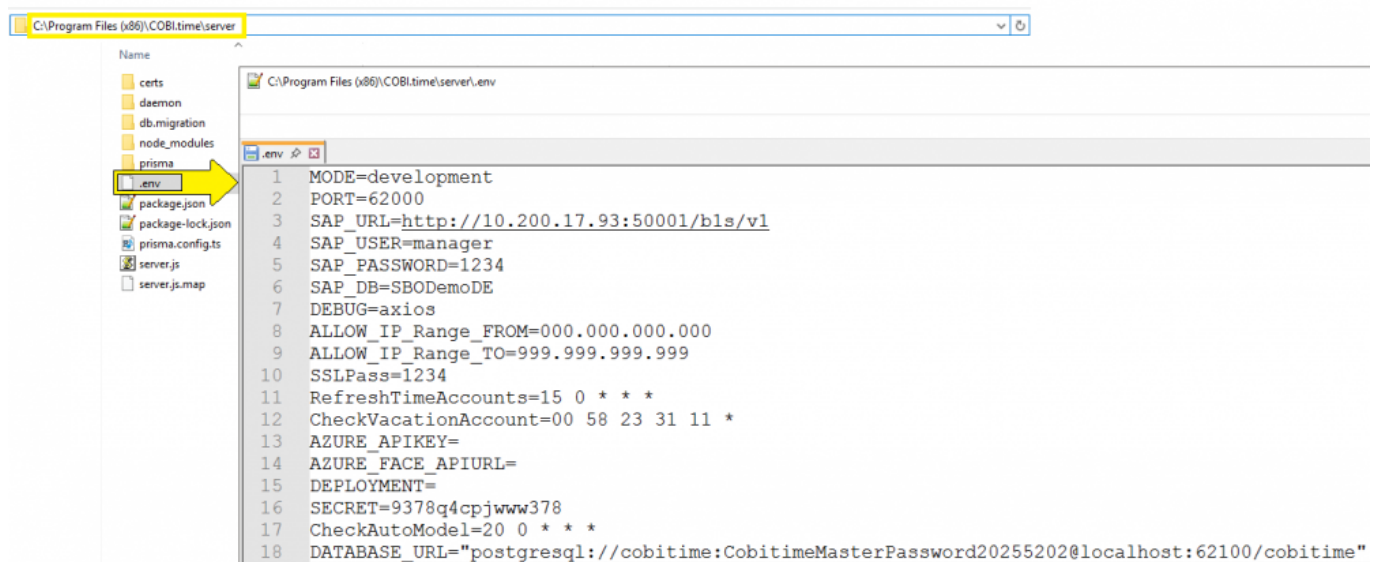
Click **Finish** to close the wizard.



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=SB0DemoDE93 (SAP database name.)
SSLPass=1234 (Password for a custom SSL certificate.
Keep 1234 if you do not provide another SSL certificate.)
SECRET=iosncaonmwdol! (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.

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
```

```

Administrator: Windows PowerShell

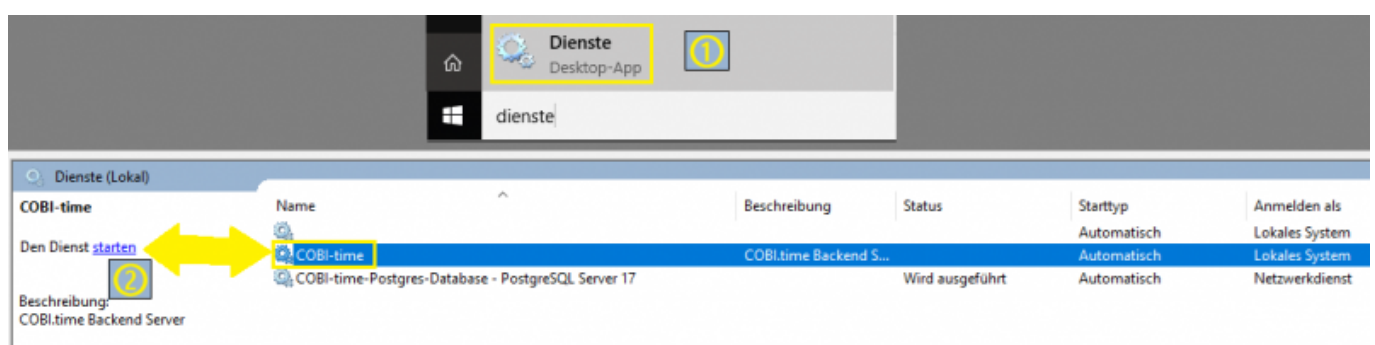
PS C:\Users\Administrator> cd "C:\Program Files (x86)\COBI.time\server"
PS C:\Program Files (x86)\COBI.time\server> npm i -g qckwincv2
changed 19 packages in 2s
2 packages are looking for funding
  run 'npm fund' for details
PS C:\Program Files (x86)\COBI.time\server> qckwincv2 install name="COBI-time" description="COBI.time Backend Server" path="C:\Program Files (x86)\COBI.time\server\server.js" args="-a -c" now
{
  loc: 'winw.js ~line 77',
  xml: [
    {
      id: 'cobitime.exe',
      name: 'COBI-time',
      description: 'COBI.time Backend Server',
      executable: 'C:\Program Files (x86)\nodejs\node.exe',
      argument: '--harmony',
      argument: 'C:\Users\Administrator\AppData\Roaming\npm\node_modules\qckwincv2\node_modules\node-windows\lib\wrapper.js'
    }
  ],
  config: {
    name: 'COBI-time',
    id: 'cobitime.exe',
    nodeOptions: '--harmony',
    script: 'C:\Users\Administrator\AppData\Roaming\npm\node_modules\qckwincv2\node_modules\node-windows\lib\wrapper.js',
    scriptOptions: '-a -c',
    wrapperArgs: [
      'file',
      'C:\Program Files (x86)\COBI.time\server\server.js',
      '--scriptoptions=-a -c',
      '--log',
      'COBI-time wrapper',
      '--now',
      0.25,
      '--wait',
      1,
      '--maxrestarts',
      3,
      '--abortonerror',
      'n',
      '--stopparentfirst',
      undefined
    ],
    description: 'COBI.time Backend Server',
    logpath: null,
    envs: undefined,
    execPath: null,
    logOnAs: {
      account: null,
      password: null,
      domain: 'SBOMSSQLSERVER',
      mungeCredentialsAfterInstall: true
    },
    workingdirectory: 'C:\Program Files (x86)\COBI.time\server',
    stopparentfirst: undefined,
    stoptimeout: 30,
    logmode: 'rotate',
    logging: undefined,
    allowServiceLogon: undefined
  }
}
[INFO] Service COBI-time installed.
[INFO] Service COBI-time started.

```

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

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.

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``).

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!

From:

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

Permanent link:

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

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