



CONPROSYS

# Installation Guide

HMI/SCADA Software

# CONPROSYS HMI System

CONTEC CO., LTD.

# 1. OS Requirements

Windows Server 2016/2019/2022

\* For demo purpose, you can install CONPROSYS HMI System on Windows 10 Pro 64bits or Windows 11 Pro 64bits.

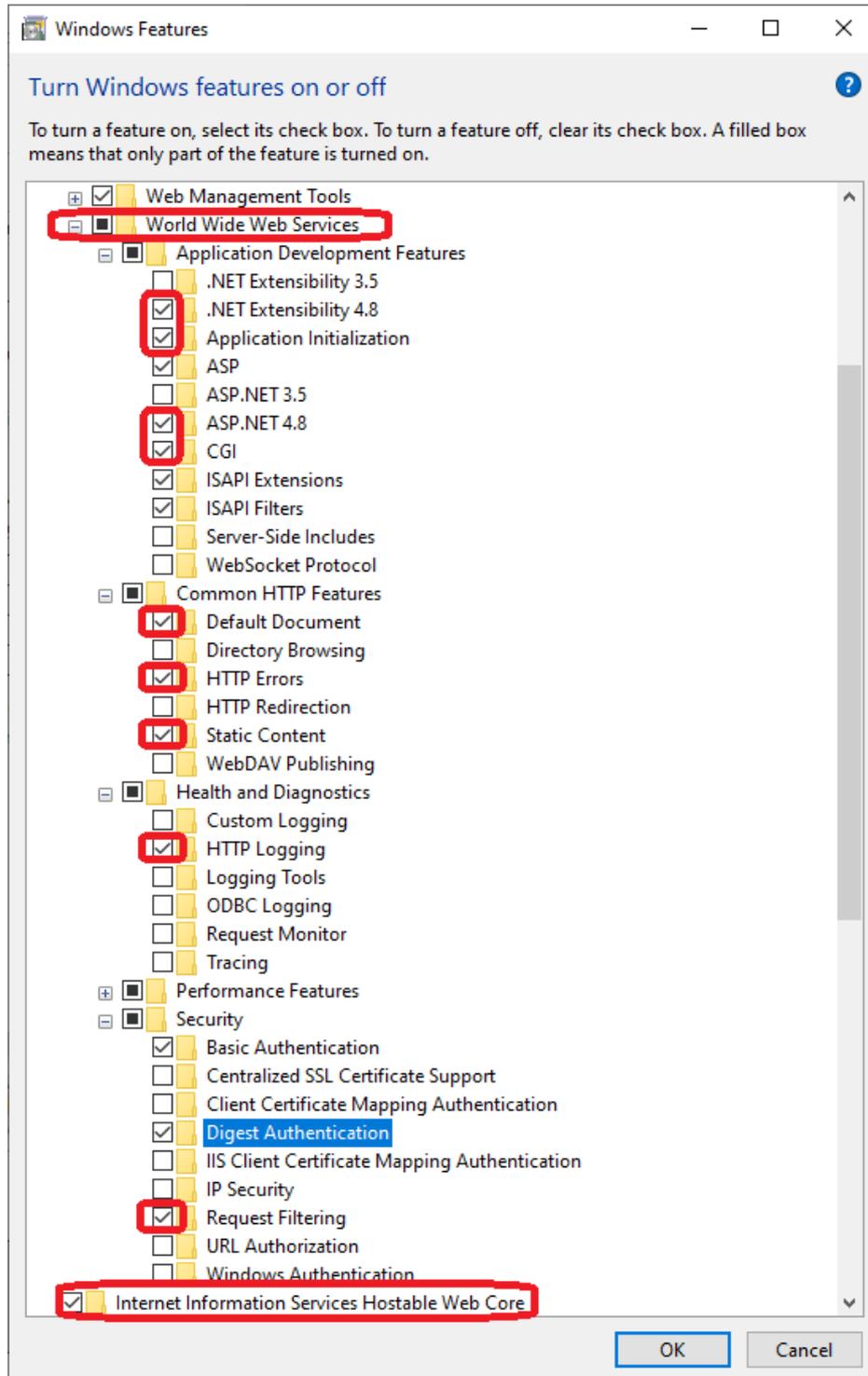
## 2. Installation Steps

### 1 On Windows Server, please skip this step and go to step 2.

For Windows 10 or Windows 11, please install IIS and ASP.NET 4.X first.

From "Control Panel" (view: small icon), open "Programs and Features", in "Enable or Disable Windows Features" page,

check the options as shown in the following image, then press the "OK".



**NOTE: Web Management Tools, Internet Information Services Hostable Web Core, .NET Extensibility 4.8 (4.X) ASP, ASP .NET 4.8(4.X) and CGI must be selected.**

## 2 Make sure that the PowerShell execution policy can be executed outside of the script.

Press "Windows key + R" on the keyboard, in the "Run" dialogbox, type "powershell" to start the powershell. Input the following command. If a confirmation message appears asking if you want to change the execution policy, type "yes(Y)".

```
PS> Set-ExecutionPolicy RemoteSigned
```

## 3 Run SetupCHS.exe by administrator privilege

- Right click on SetupCHS.exe in Windows Explorer.

The shell context menu is shown, click "Run as Administrator" menu.

The installer will install Visual Studio 2015 redistributables, Visual Studio 2013 redistributables, Internet Information Server with ASP NET4.6, PHP, PostgreSQL\*, Windows NTP server, and CONPROSYS HMI System.

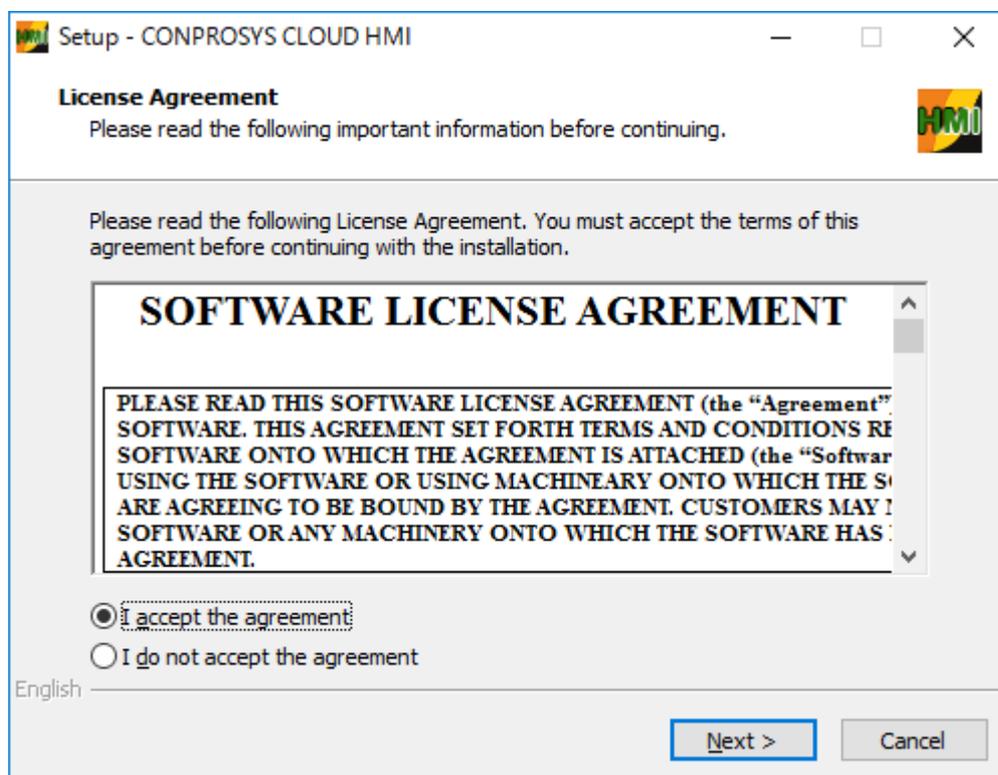
The installer will also initialize the CONPROSYS HMI System databases.

\* Under Ver. 3.7.5: PostgreSQL 11 Ver. 3.7.5 or higher: PostgreSQL 15

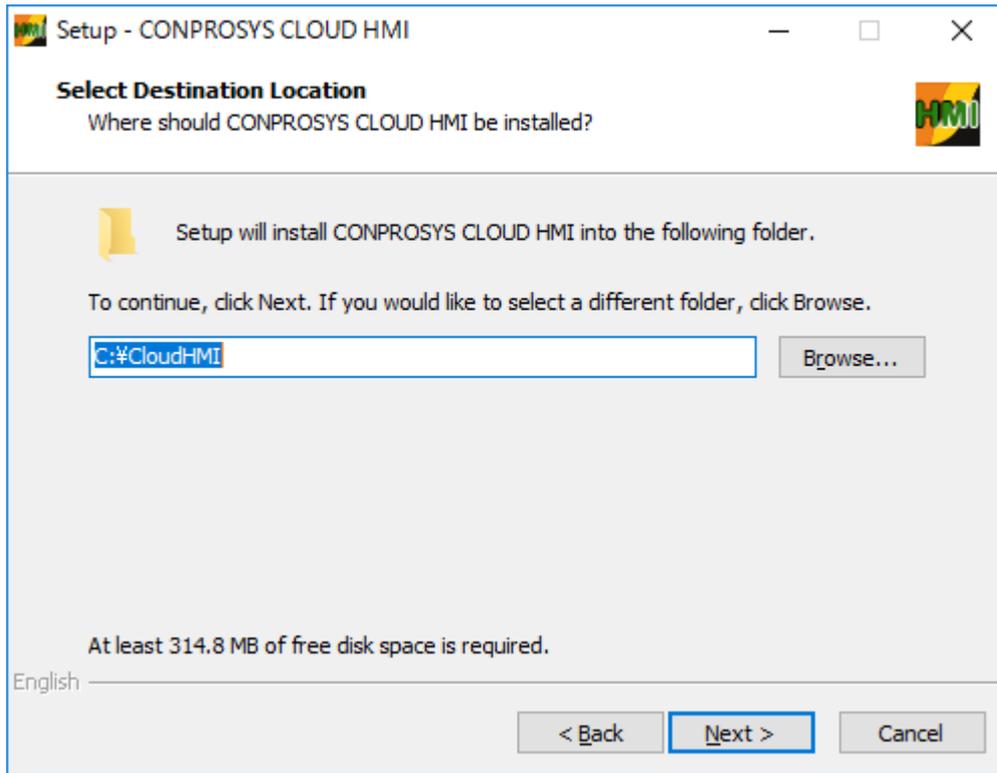
Versions 3.7.5 or higher provide scripts to update your PostgreSQL 11 to PostgreSQL 15 after installation. Refer to the online help below for details.

[https://chs.conhmi.com/help/en/c100a\\_v3\\_support\\_program.html#c100a\\_v3\\_postgre\\_update](https://chs.conhmi.com/help/en/c100a_v3_support_program.html#c100a_v3_postgre_update)

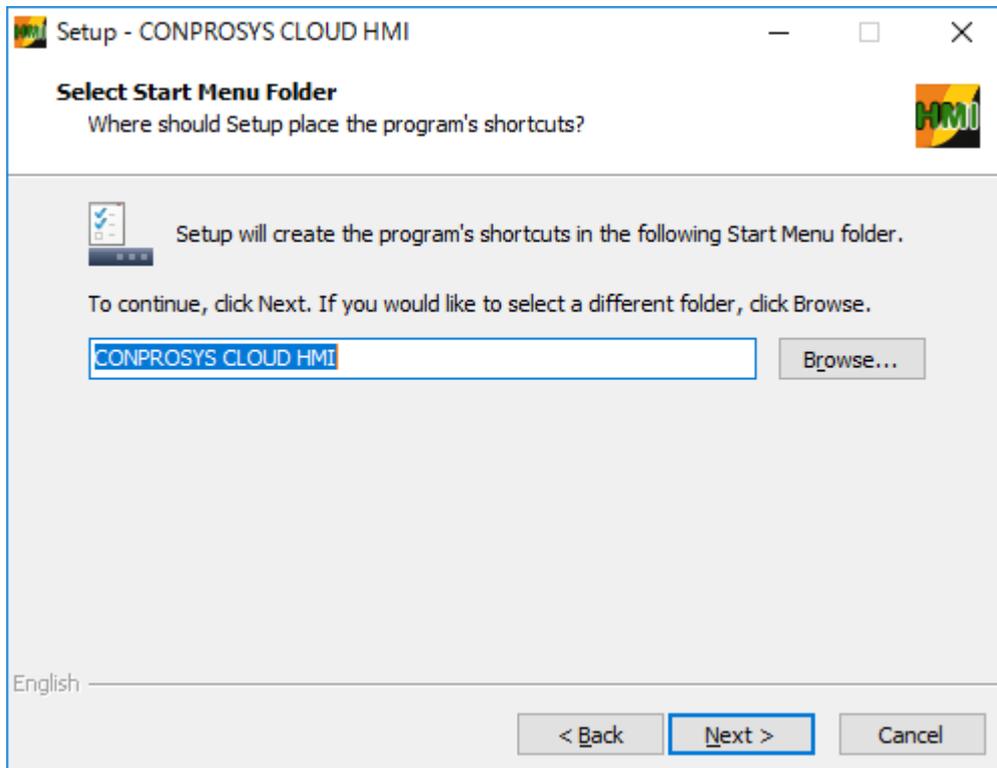
## 4 Select the components to install and set the install folders.



Check the "I accept the agreement", then click "Next".



Select the folder to install CONPROSYS HMI System, then click "Next".



Click "Next".

Setup - CONPROSYS HMI System Ver 3.5.0

**PostgreSQL Database Setting**  
Input PostgreSQL Account for setup default settings

Install IIS if not installed.  
 Install PostgreSQL if not installed.  
 Install the DEMO Project(con,demo).

----PostgreSQL Account----

Host1 (Master)   
User name:   
Password:

----Mosquitto Account----

User name:   
Password:

----Initial Admin Account----

Password:

English

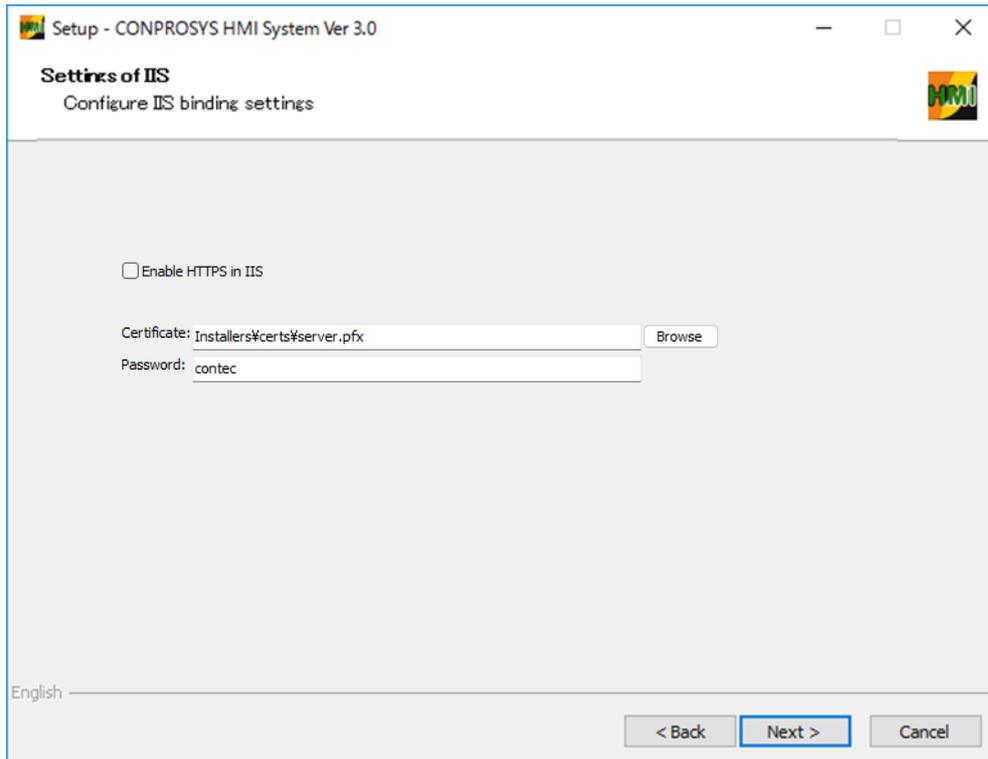
< Back   Next >   Cancel

Whether the check box is selected depends on the installation status.

Change the Password of PostgreSQL server, please **do NOT input ";" and space** in the password.  
For communicating with the device via the MQTT protocol, please enter the account of the Mosquitto server.

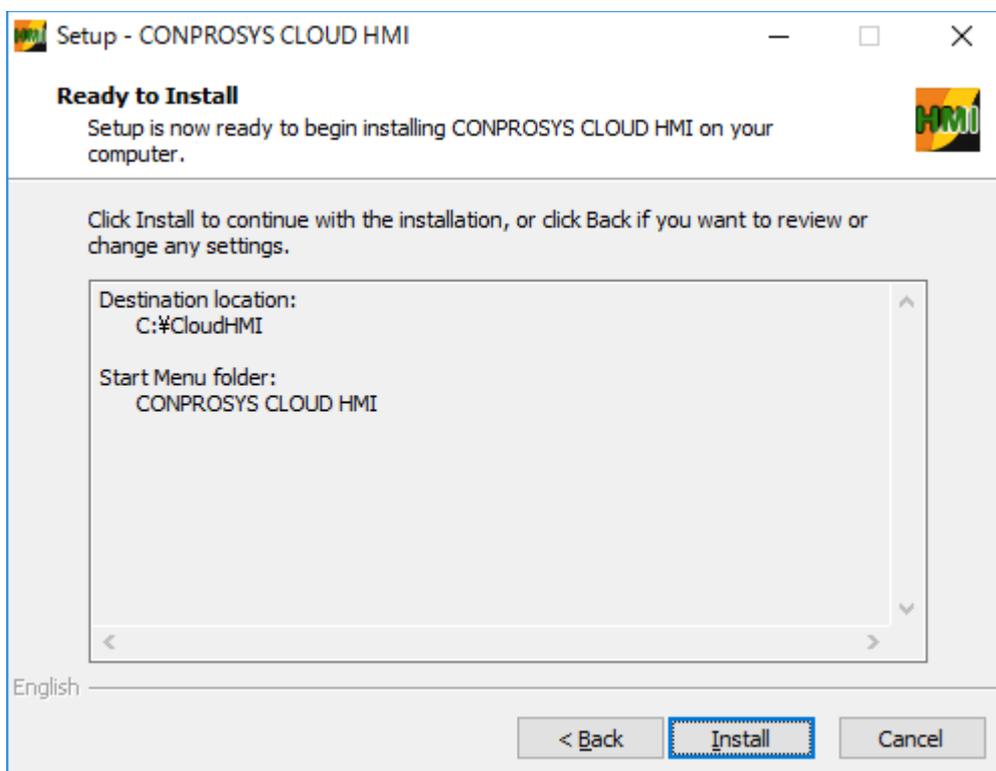
Enter the administrator account and the initial password for the demo project.

If you want to see the demo project, please check the "Install the DEMO Project" option.  
Click "Next".



If you want to enable HTTPS in IIS, check "Enable HTTPS in IIS", then select the PFX certificate file from the "Browse" and enter the password of the certificate.

Click "Next."

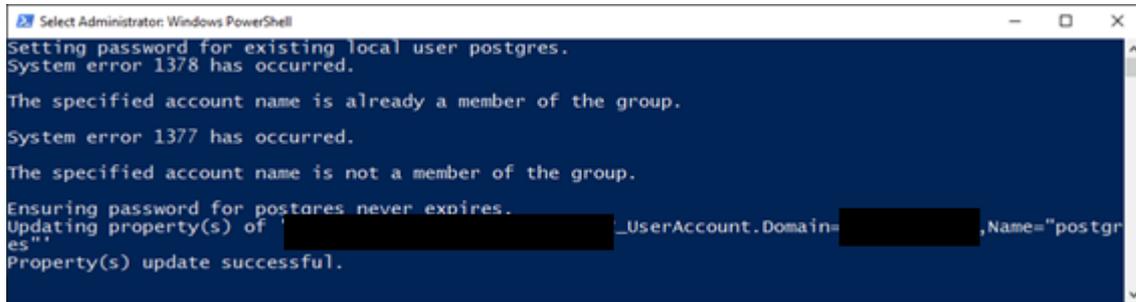


Click "Install".

During installation, depending on the installation status of the Visual C++ Redistributable Package, the installer might restart. If the installer restarts, run the installer again after the restart.

The installer begins.

The PowerShell window will be started for installing PostgreSQL, it may show minutes for starting the installation, **please do not close the PowerShell window**, it will be closed automatically.



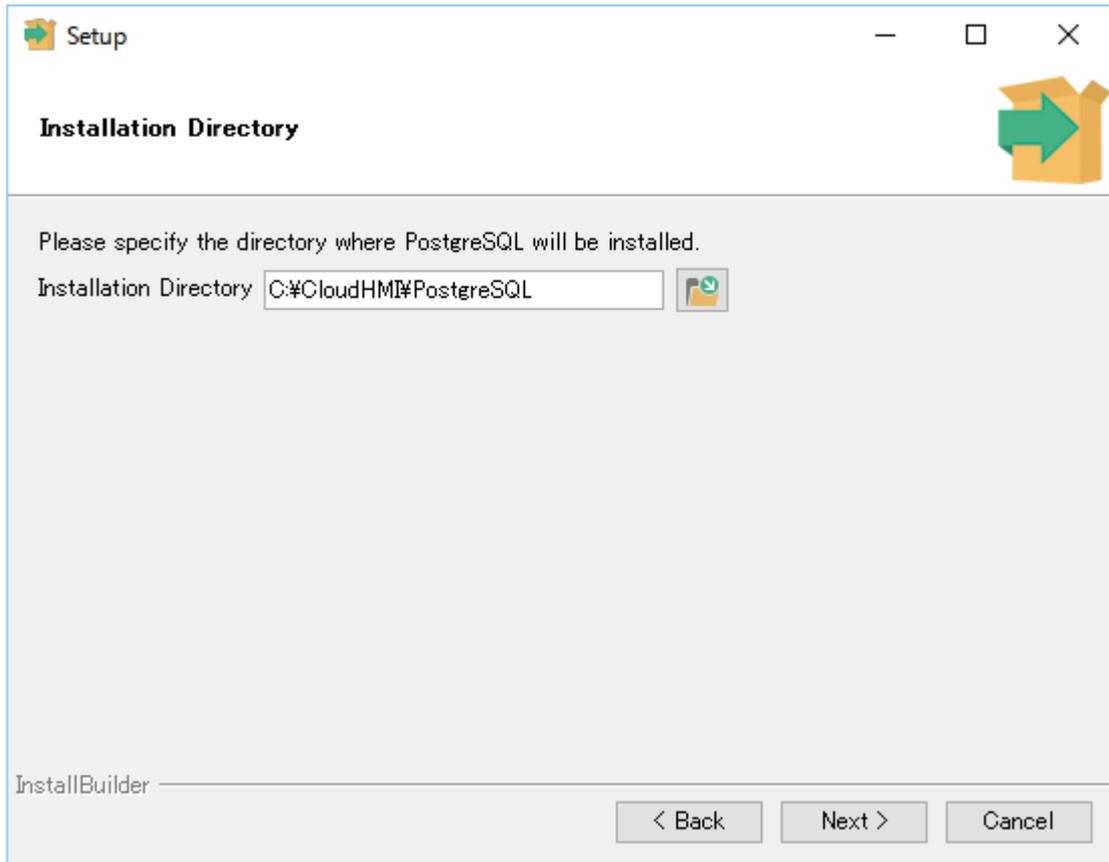
```
Select Administrator: Windows PowerShell
Setting password for existing local user postgres.
System error 1378 has occurred.
The specified account name is already a member of the group.
System error 1377 has occurred.
The specified account name is not a member of the group.
Ensuring password for postgres never expires.
Updating property(s) of [redacted]_UserAccount.Domain=[redacted], Name='postgres'.
Property(s) update successful.
```

In case PowerShell windows is paused by occasional keystroke or mouse-click, press any arrow keys to release the pause.

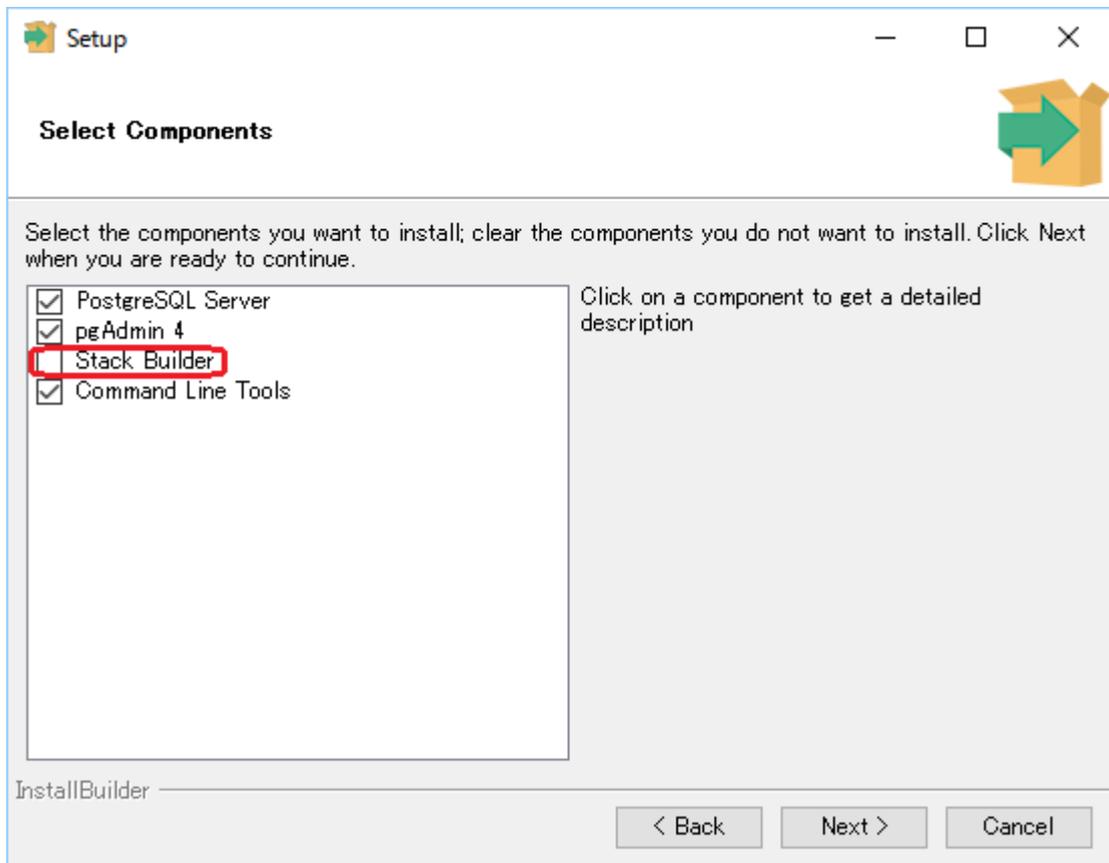
During the installation, the installer of PostgreSQL will also be started.



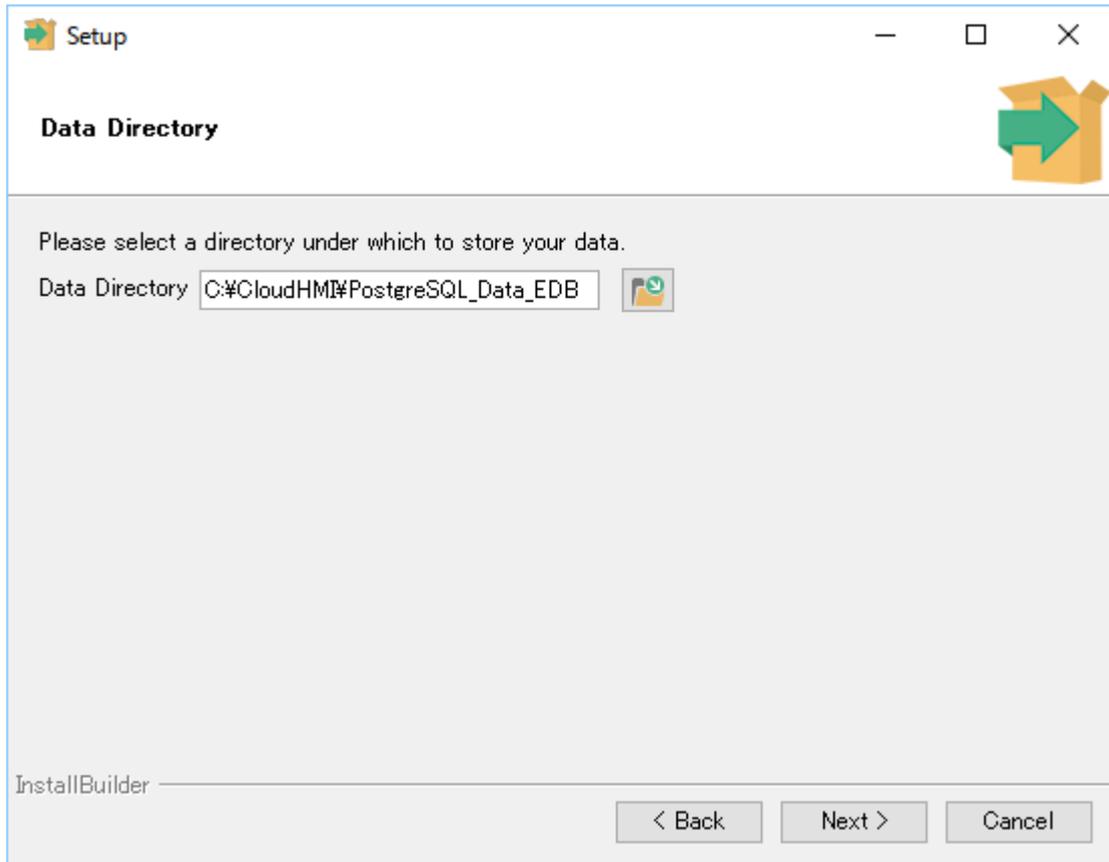
Click "Next".



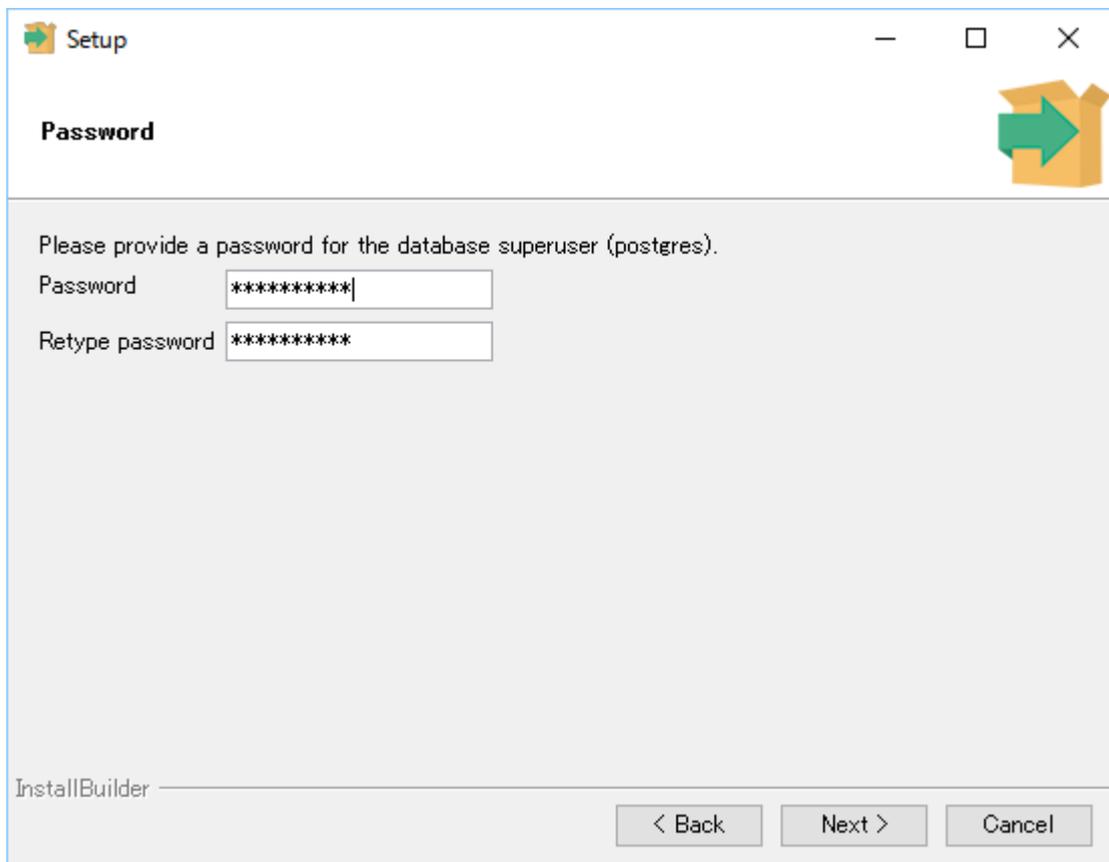
Use the default "Installation Directory", click "Next".



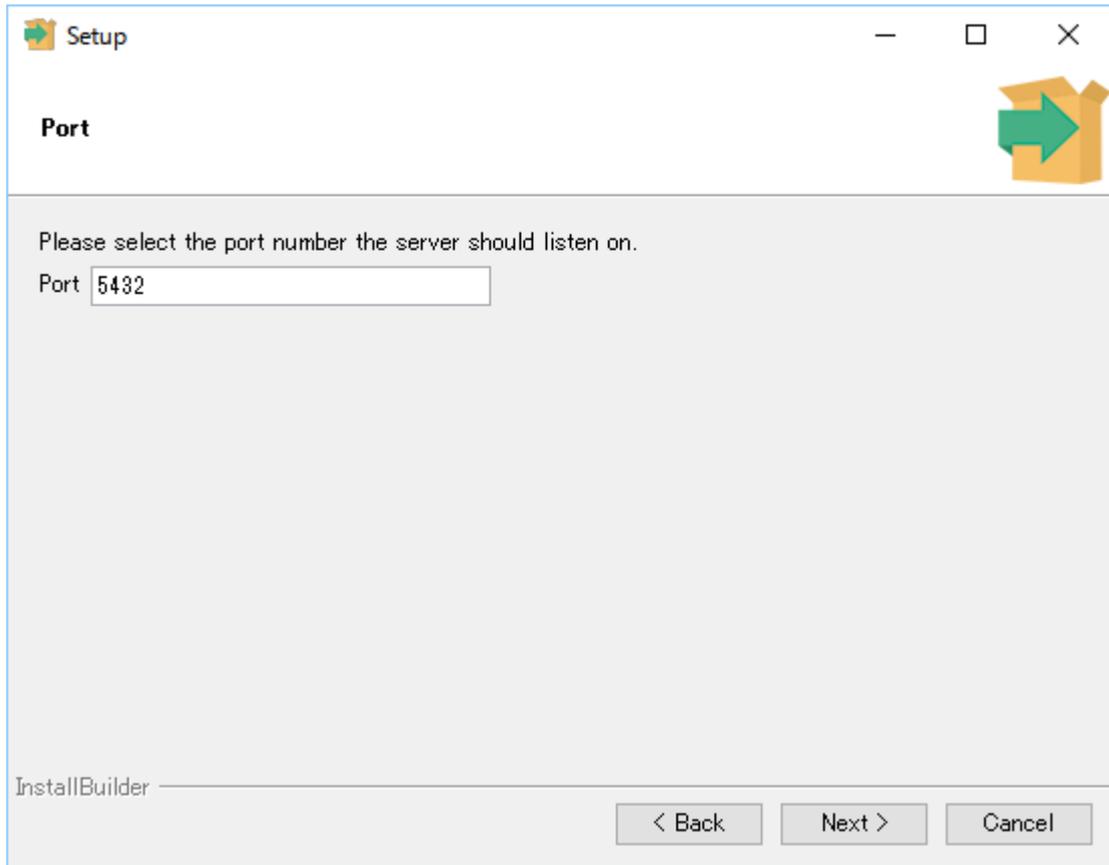
Unselect "Stack Builder", click "Next".



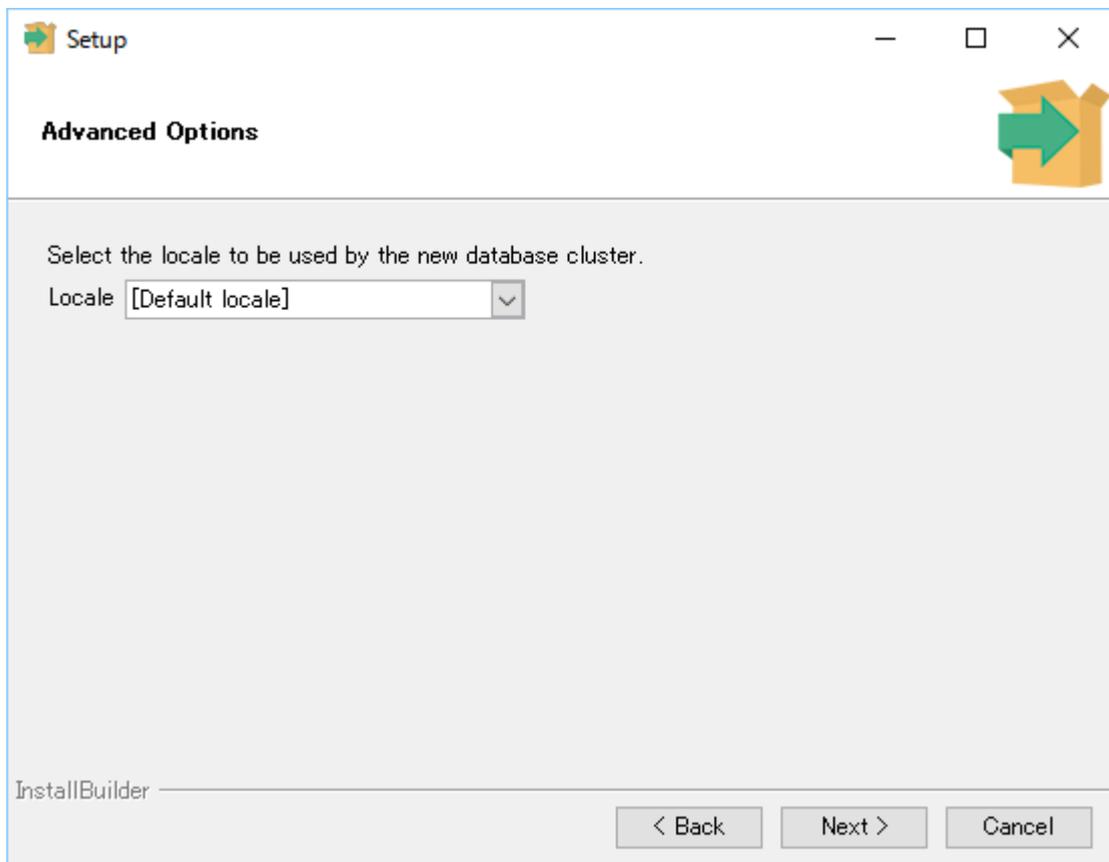
Use the default "Data directory", click "Next".



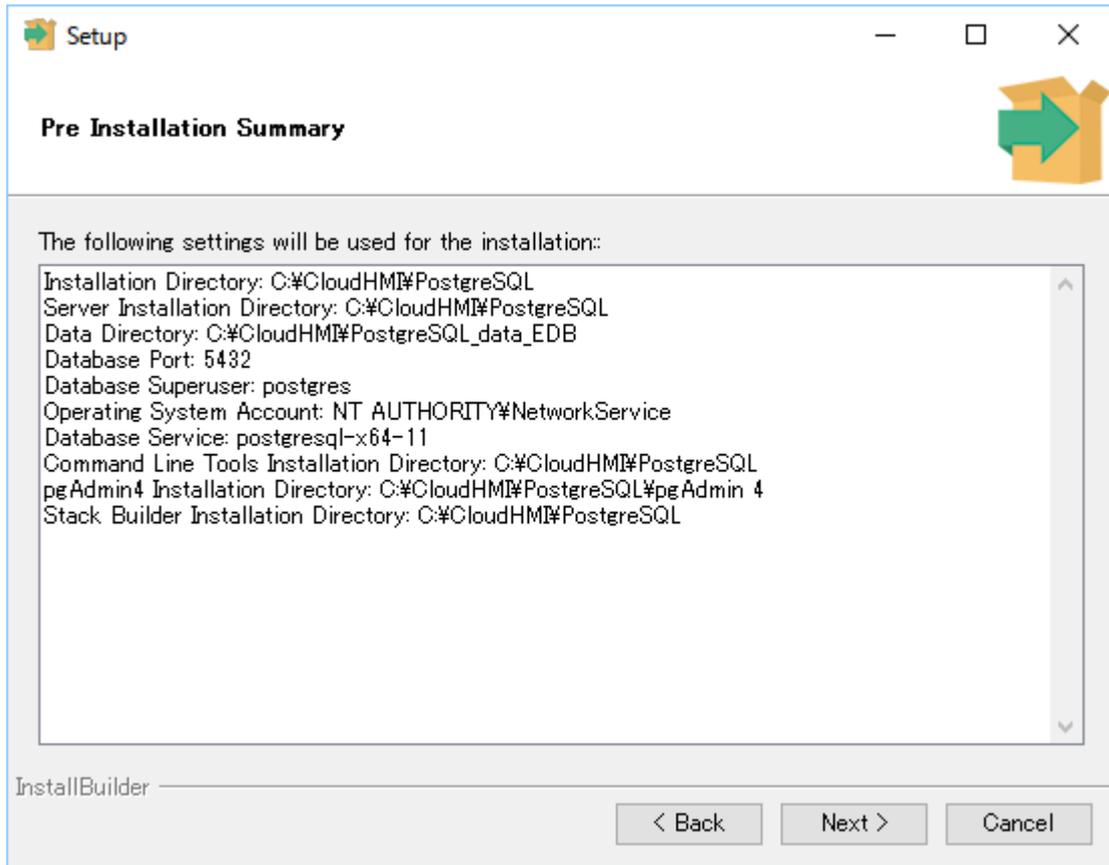
Change the password if this is the first-time installation, otherwise use the default Password. Click "Next".



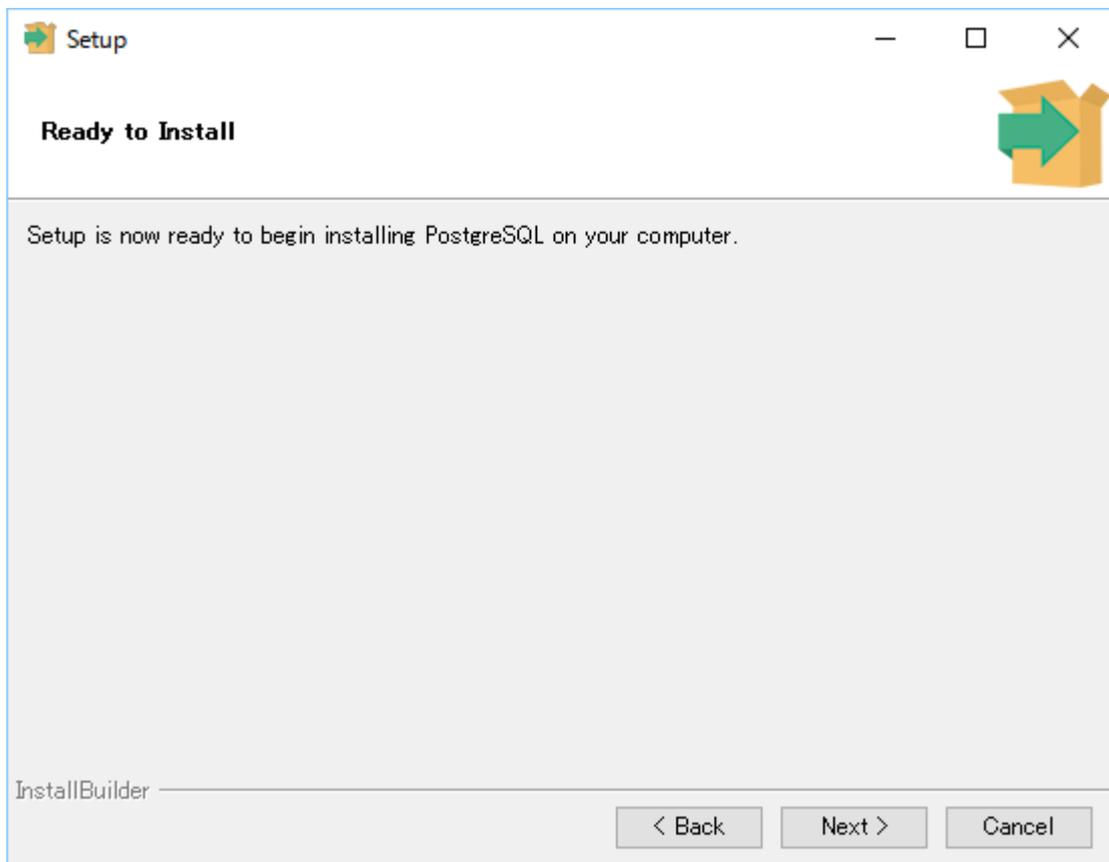
Use the default Port, click "Next".



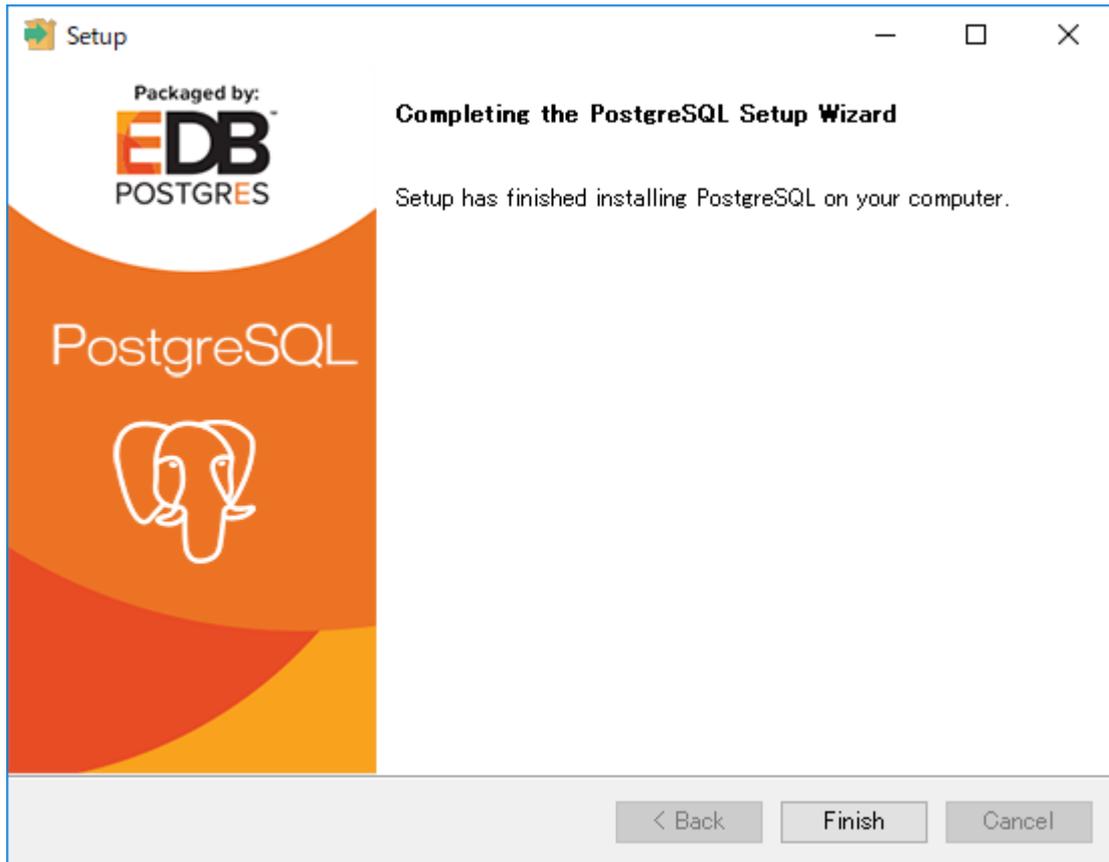
Use the default Locale, click "Next".



Click "Next".

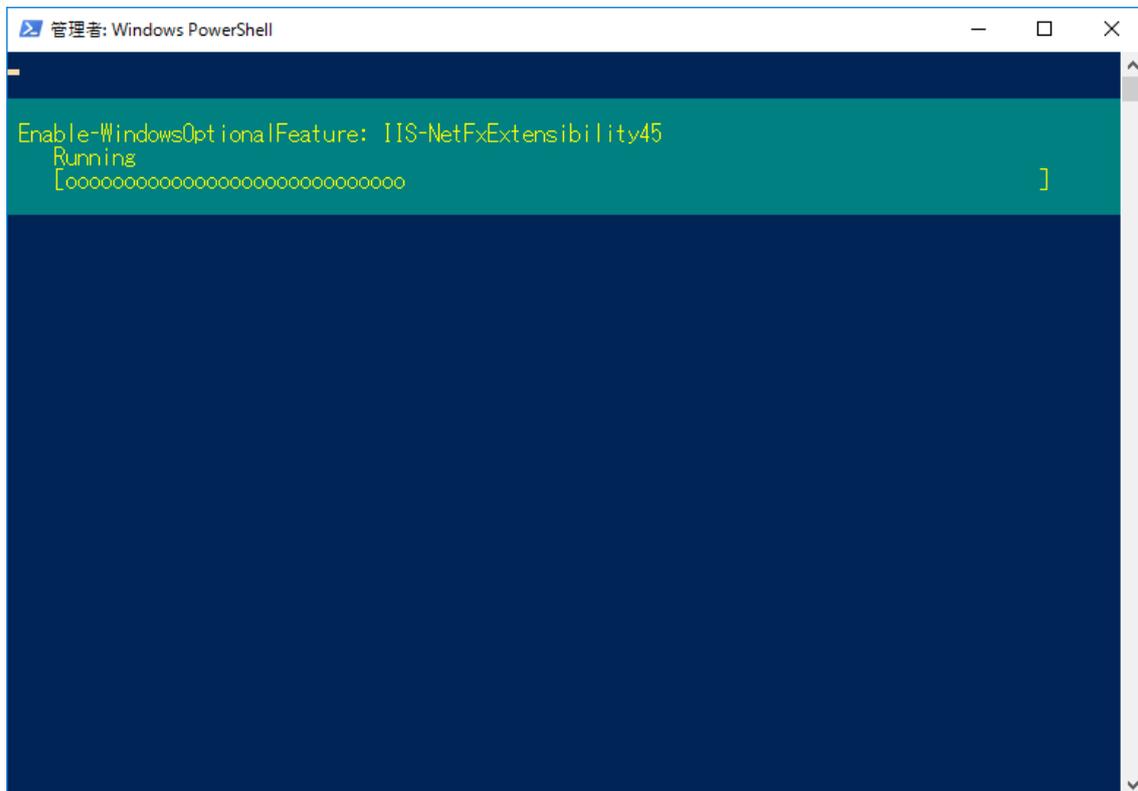


Click "Next" to start the installation.

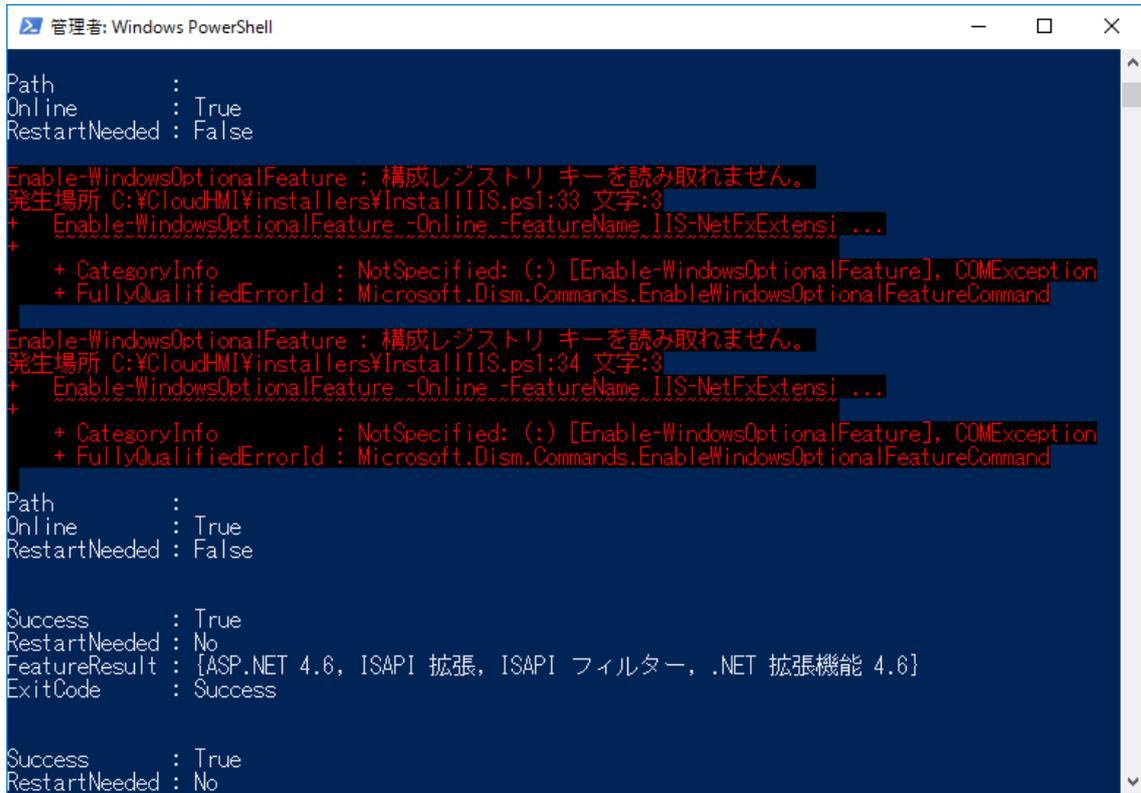


After PostgreSQL server is installed, click "Finish" to continue the installation.

Windows PowerShell is started to install IIS server components.



Just wait for the script completing, it may take several minutes. **Do not close PowerShell Window**, it will be closed automatically. In case PowerShell window is paused by occasional keystroke, press any arrow keys to release the pause.



```
管理: Windows PowerShell
Path      :
Online    : True
RestartNeeded : False

Enable-WindowsOptionalFeature : 構成レジストリ キーを読み取れません。
発生場所 C:\CloudHMI\installers\InstallIIS.ps1:33 文字:3
+ Enable-WindowsOptionalFeature -Online -FeatureName IIS-NetFxExtensi ...
+ ~~~~~
+ CategoryInfo          : NotSpecified: (:) [Enable-WindowsOptionalFeature], COMException
+ FullyQualifiedErrorId : Microsoft.Dism.Commands.EnableWindowsOptionalFeatureCommand

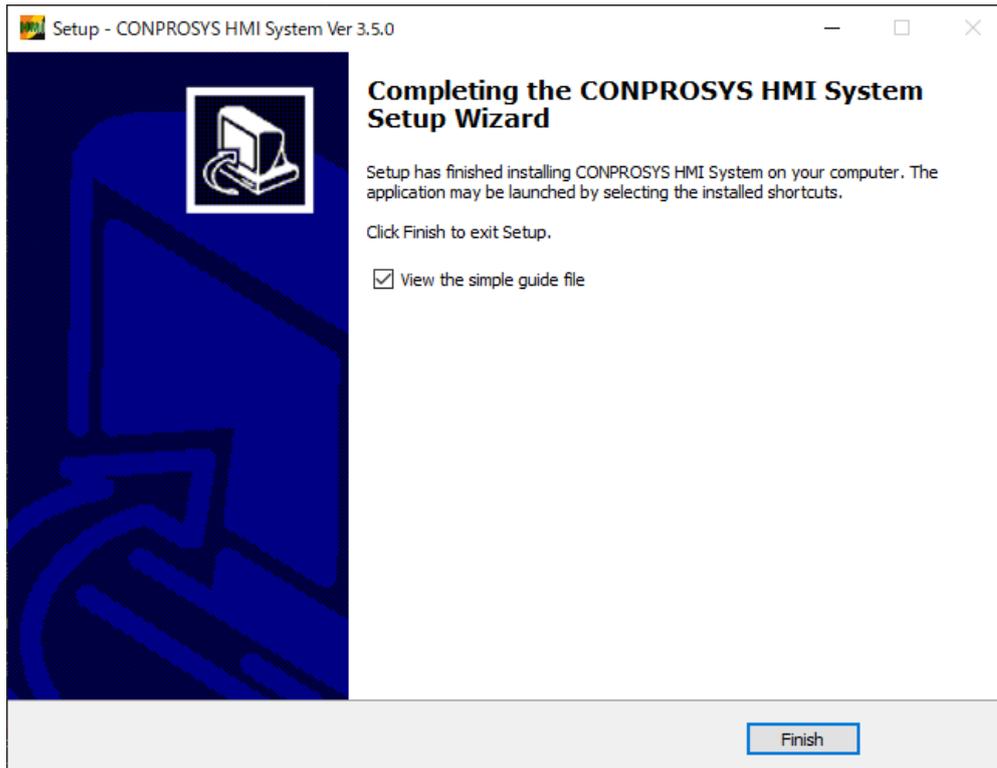
Enable-WindowsOptionalFeature : 構成レジストリ キーを読み取れません。
発生場所 C:\CloudHMI\installers\InstallIIS.ps1:34 文字:3
+ Enable-WindowsOptionalFeature -Online -FeatureName IIS-NetFxExtensi ...
+ ~~~~~
+ CategoryInfo          : NotSpecified: (:) [Enable-WindowsOptionalFeature], COMException
+ FullyQualifiedErrorId : Microsoft.Dism.Commands.EnableWindowsOptionalFeatureCommand

Path      :
Online    : True
RestartNeeded : False

Success   : True
RestartNeeded : No
FeatureResult : {ASP.NET 4.6, ISAPI 拡張, ISAPI フィルター, .NET 拡張機能 4.6}
ExitCode  : Success

Success   : True
RestartNeeded : No
```

**Ignore any error during installing IIS server.** For example, if ASP.NET 4.X was not installed correctly, you can add it in the by console of Internet Information Server later.



Click "Finish" to complete the installation.

If you check the "View the simple guide file" checkbox, a PDF file will be displayed after completion.

**Trouble shooting:**

**\*After installation, please confirm if ASP.NET 4.X is installed correctly. If it is not installed, please install it like the following.**

**1. In Windows 2016 server, install ASP.NET 4.X like the following url:**

**<https://docs.microsoft.com/en-us/iis/application-frameworks/scenario-build-an-aspnet-website-on-iis/configuring-step-1-install-iis-and-asp-net-modules>**

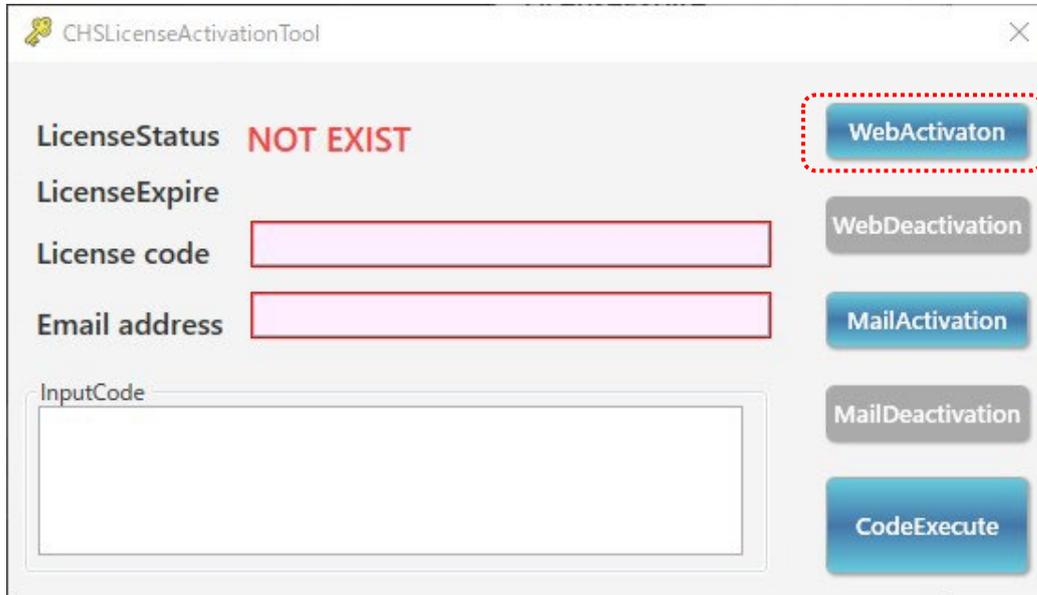
## 5 Activate the license.

**Path of the activating tool:**

**C:\CloudHMI\Tskpr\App\ActivationTool\ActivationTool.exe**

**(When install to the default folder.)**

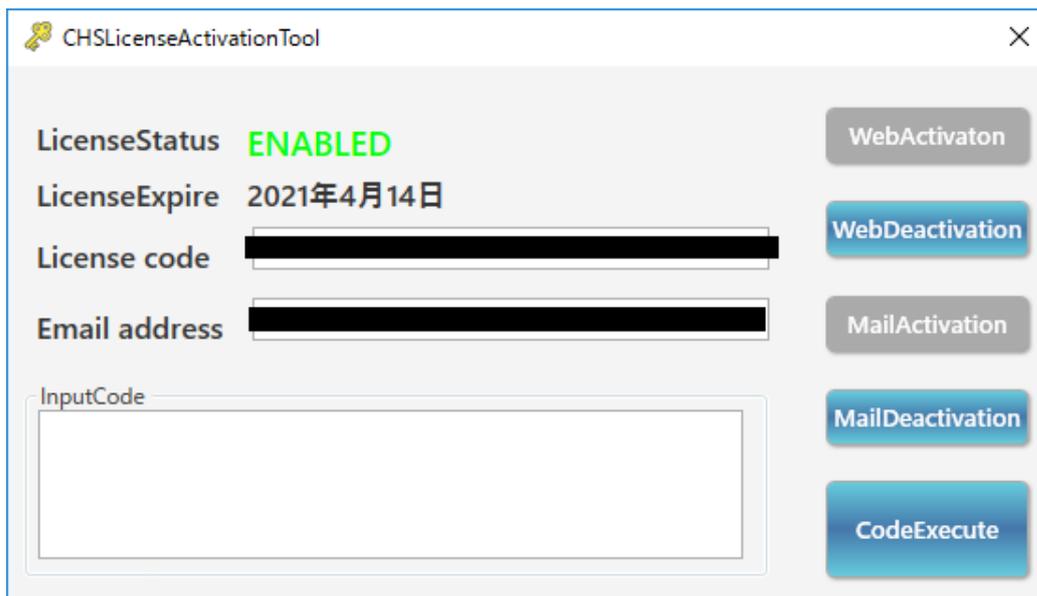
**Start it by the administrator privilege.**



Input the License Code and the Email Address (Must be the email address in the licensing email), then press the “WebActivation”.

**NOTE:** The activating process needs the internet connection.

After the license is activated, the LicenseStatus will be “**ENABLED**”.



**Please restart Windows.**

## 6 Test the install.

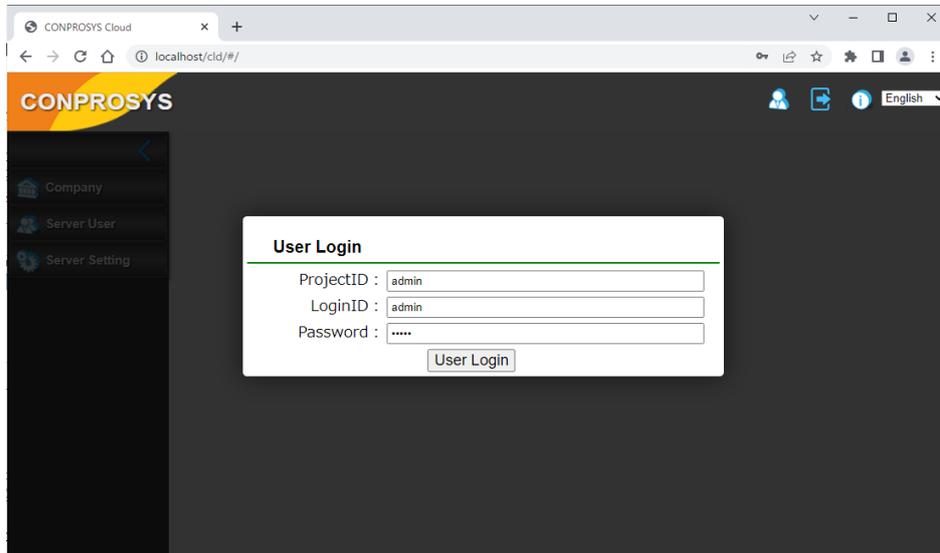
Start Chrome Browser.

Launch Chrome or Firefox and type the following URL in the address bar.

If you do not have Chrome or Firefox installed, please install them.

<http://localhost/>

The following login dialog-box is shown:



## 7 Login to the demo project.

If you have selected to install the demo project (con, demo), you can login the demo project by the following account.

<http://localhost>

ProjectID: demo

LoginID: admin

Password: Under Ver. 3.5.0: admin; Ver. 3.5.0 or higher: the initial password set by installer.

## 8 Login to the server administrator.

<http://localhost>

ProjectID: admin

LoginID: admin

Password: Under Ver. 3.5.0: admin; Ver. 3.5.0 or higher: the initial password set by installer.

# Revision History

<b>MONTH YEAR</b>	<b>Summary of Changes</b>
July 2020	The First Edition
December 2022	Updated items associated with Ver. 3.5.0
January 2025	Updated items associated with Ver. 3.7.5

- For product information: Contact your retailer if you have any technical questions about a CONTEC product or need its price, delivery time, or estimate information.
- Company and product names that are referred to in this manual are generally trademarks or registered trademarks of their respective holders.

**CONTEC CO., LTD.** 3-9-31, Himesato, Nishiyodogawa-ku, Osaka 555-0025, Japan

---

<https://www.contec.com/>

No part of this document may be copied or reproduced in any form by any means without prior written consent of CONTEC CO., LTD.

CONPROSYS HMI System Installation Guide

NA07548 (LYYN113) 01172025\_rev3 [07012020]

January 2025 Edition