

# 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

#### 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

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

🗾 Setup - CONPROSYS CLOUD HMI	_		×
License Agreement Please read the following important information before continuing.			HM
Please read the following License Agreement. You must accept the tagreement before continuing with the installation.	erms of t	his	_
SOFTWARE LICENSE AGREEN	1EN	Γ	
PLEASE READ THIS SOFTWARE LICENSE AGREEMENT (the SOFTWARE. THIS AGREEMENT SET FORTH TERMS AND CO SOFTWARE ONTO WHICH THE AGREEMENT IS ATTACHED USING THE SOFTWARE OR USING MACHINEARY ONTO W ARE AGREEING TO BE BOUND BY THE AGREEMENT. CUSTO SOFTWARE OR ANY MACHINERY ONTO WHICH THE SOF AGREEMENT.	"Agreen NDITIO (the "So VHICH 1 OMERS TWARE	nent" NS RE oftwar IHE S MAY I HAS	,
• I accept the agreement			
O I do not accept the agreement			
Nex	t >	Car	ncel

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

🎫 Set	tup - CONPROSYS CLOUD HMI	_		×
Se	lect Destination Location			
	Where should CONPROSYS CLOUD HMI be installed?			HROD
	Setup will install CONPROSYS CLOUD HMI into the follo	wing fold	er.	
	To continue, click Next. If you would like to select a different fol	der, dick	Browse.	
	C:¥CloudHMI		Browse	
	At least 314.8 MB of free disk space is required.			
English				
	< <u>B</u> ack	<u>N</u> ext >	0	Cancel

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

Setup - CONPROSYS CLOUD HMI	—		$\times$
Select Start Menu Folder			
Where should Setup place the program's shortcuts?			HIND
Setup will create the program's shortcuts in the following St	art Mei	nu folder.	
To continue, click Next. If you would like to select a different folder,	click Br	owse.	
CONPROSYS CLOUD HMI	E	rowse	
Faaliah			
< Back Nex	t >	Ca	incel

Click "Next".

Marco - CONPROSYS HMI S	ystem Ver 3.5.0			_		×
PostgreSQL Database Sett Input PostgreSQL Account	t <b>ing</b> for setup default settings					Had
🗹 Install IIS if not insta	lled.					
🗹 Install PostgresSQL i	f not installed.					
Install the DEMO Pro	ject(con,demo).					
PostgreSQL Account						
Host1 (Master)	localhost	]				
User name:	postgres	ĺ				
Password:	Contec. 123	ĺ				
Mosquitto Account	-	-				
User name:	admin	1				
Password:	admin	j				
Initial Admin Account		1				
Password:		1				
		1				
English						
			< Back	Next >	Ca	ncel

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".

Mage Setup - CONPROSYS HMI System Ver 3.0	-		×
Settires of IIS Configure IIS binding settings			HIRO
Enable HTTPS in IIS			
Certificate: Installers¥certs¥server.pfx Browse Password: contec			
English	Next >	Ca	ncel

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."

🎫 Setup	- CONPROSYS CLOUD HMI –		×
Read Set	<b>y to Install</b> up is now ready to begin installing CONPROSYS CLOUD HMI on your		HIM
con	nputer.		
Clic cha	k Install to continue with the installation, or click Back if you want to reinge any settings.	view or	
D	estination location: C:¥CloudHMI		^
SI	art Menu folder: CONPROSYS CLOUD HMI		
<		>	·
English —	< <u>B</u> ack <u>I</u> nstall	С	ancel

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.



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".

📑 Setup		_		×
Installation Directory				
Please specify the directory where PostgreSQL will be inst	talled.			
Installation Directory C:#CloudHMI#PostgreSQL	<b>12</b>			
InstallBuilder	< Back	Next >	Cano	el

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

🗃 Setup		_		×
Select Components				
Select the components you want to install; clear the when you are ready to continue.	components you do not w	ant to ins	tall. Click	. Next
<ul> <li>✓ PostgreSQL Server</li> <li>✓ pgAdmin 4</li> <li>✓ Stack Builder</li> </ul>	Click on a component to description	get a det	ailed	
Command Line Tools				
InstallBuilder	< Back N	ext >	Cano	cel

Unselect "Stack Builder", click "Next".

🗃 Setup		_	
Data Directory			
Please select a directory under which to store your dat.	a.		
InstallBuilder —			
	< Back	Next >	Cancel

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

<table-of-contents></table-of-contents>			_		×
Password					
Please provide a password for the database superuser (postgr	es).				
Password www.www.www					
Retype password *****					
InstallBuilder					
< E	Back	Next	>	Can	cel

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

💕 Setup	_	
Port		-
Please select the port number the server should listen on. Port 5432		
InstallBuilder	Next >	Cancel

Use the default Port, click "Next".

💕 Setup	– 🗆 X
Advanced Options	
Select the locale to be used by the new database cluster. Locale [Default locale]	
InstallBuilder	ck Next > Cancel

Use the default Locale, click "Next".

📲 Setup	_		×
Pre Installation Summary			
The following settings will be used for the installation:			
Installation Directory: C:¥CloudHMI¥PostgreSQL Server Installation Directory: C:¥CloudHMI¥PostgreSQL Data Directory: C:¥CloudHMI¥PostgreSQL_data_EDB Database Port: 5432 Database Superuser: postgres Operating System Account: NT AUTHORITY¥NetworkService Database Service: postgresql-x64-11 Command Line Tools Installation Directory: C:¥CloudHMI¥PostgreSQL pgAdmin4 Installation Directory: C:¥CloudHMI¥PostgreSQL Stack Builder Installation Directory: C:¥CloudHMI¥PostgreSQL			< >
InstallBuilder	ext >	Cano	el

Click "Next".

Setup	_		×
Ready to Install			
Setup is now ready to begin installing PostgreSQL on your computer.			
InstallBuilder			
< Back	Next >	Can	cel

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 serval minutes. Do not close PowerShell Window, it will be closed automatically. In case PowerShell windows is paused by occasional keystroke, press any arrow keys to release the pause.

≥ 管理者: Windows PowerShell -		$\times$	
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_Conline_FeatureName_IIS-NetFxExtensi +			
+ CategoryInto : NotSpecified: (:) [Enable-WindowsUptionalFeature], CUMExed + FullyQualifiedErrorId : Microsoft.Dism.Commands.EnableWindowsOptionalFeatureComman 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	ept ion nd		
<ul> <li>Enable WindowsOptionalFeatureOnlineFeatureName_IIS-NetExExtensi</li> <li>+ CategoryInfo : NotSpecified: (:) [Enable-WindowsOptionalFeature], COMExce + FullyQualifiedErrorId : Microsoft.Dism.Commands.EnableWindowsOptionalFeatureCommands</li> </ul>	eption nd		
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-aspnetwebsite-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.

CHSLicenseActivationTool	×
LicenseStatus NOT EXIST	WebActivaton
License code	WebDeactivation
Email address	MailActivation
InputCode	MailDeactivation
	CodeExecute

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".

CHSLicenseActivationTool	×
LicenseStatus ENABLED	WebActivaton
LicenseExpire 2021年4月14日 License code	WebDeactivation
Email address	MailActivation
	MailDeactivation
	CodeExecute

**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:

CONPROSYS Cloud × -	ŀ				~	-		×
← → C ☆ ③ localhost/cld/#	/			07 🖻	☆	*		:
CONPROSYS				2	•	(	Englis	sh 🗸
<								
🕋 Company								
Server User								
Server Setting	User Login		_					
	ProjectID :	admin						
	LoginID :	admin						
	Password :							
		User Login						
			Γ.					

### **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**

MONTH YEAR	Summary of Changes
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

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