

Advantech SE Technical Share Document

Date	2020 / 04 / 14	Related Product	WebAccess 9.0.0 、PostgreSQL 10.6	
Category	☐ FAQ ☒ SOP ☐ Driver Tech Note			
Abstract	使用 PostgreSQL DB 做為 WebAccess 的 ODBC 資料存儲的來源			
Keyword	WebAccess/SCADA 、Postgresql DB 、pgAdmin 、ODBC			
Related OS				
Revision History				
Date	Version	Author	Reviewer	Description
2020/04/14	V1.0	Eden.Sun	Nick.Liu	First edit. (WebAccess 9.0.0 、PostgreSQL 10.6)

■ Problem Description & Architecture:

使用 PostgreSQL DB 做為 WebAccess 的 ODBC 資料存儲的來源。



■ Brief Solution - Step by Step:

依據客戶電腦選擇安裝使用的 PostgreSQL DB 而有所不同。

A. 使用 WebAccess 預設安裝的 PostgreSQL。

(安裝 WebAccess 過程中，確認 Windows 系統內並無安裝其他版本的 PostgreSQL)

(安裝 WebAccess 過程中，需要勾選安裝 WISE-PaaS Dashboard or SaaS Composer 的功能)

B. 透過使用者自行下載 PostgreSQL 並安裝。

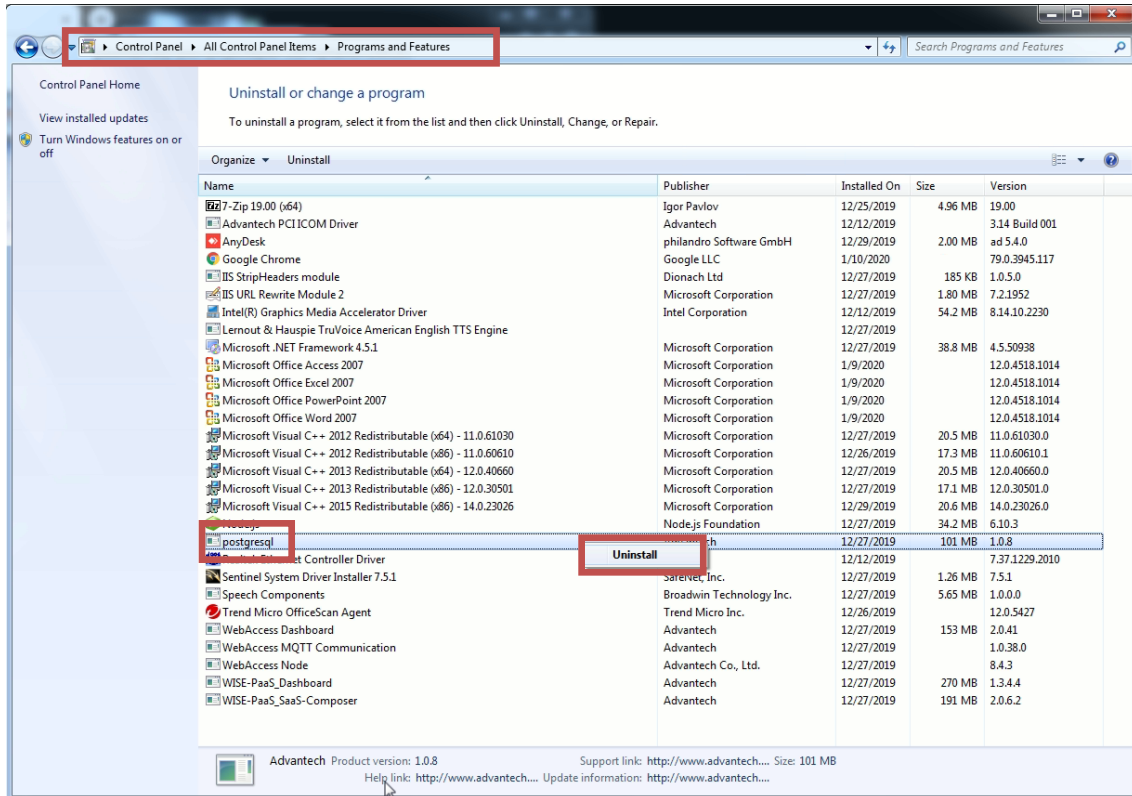
(將無法正常使用 WISE-PaaS Dashboard or SaaS Composer 的功能)



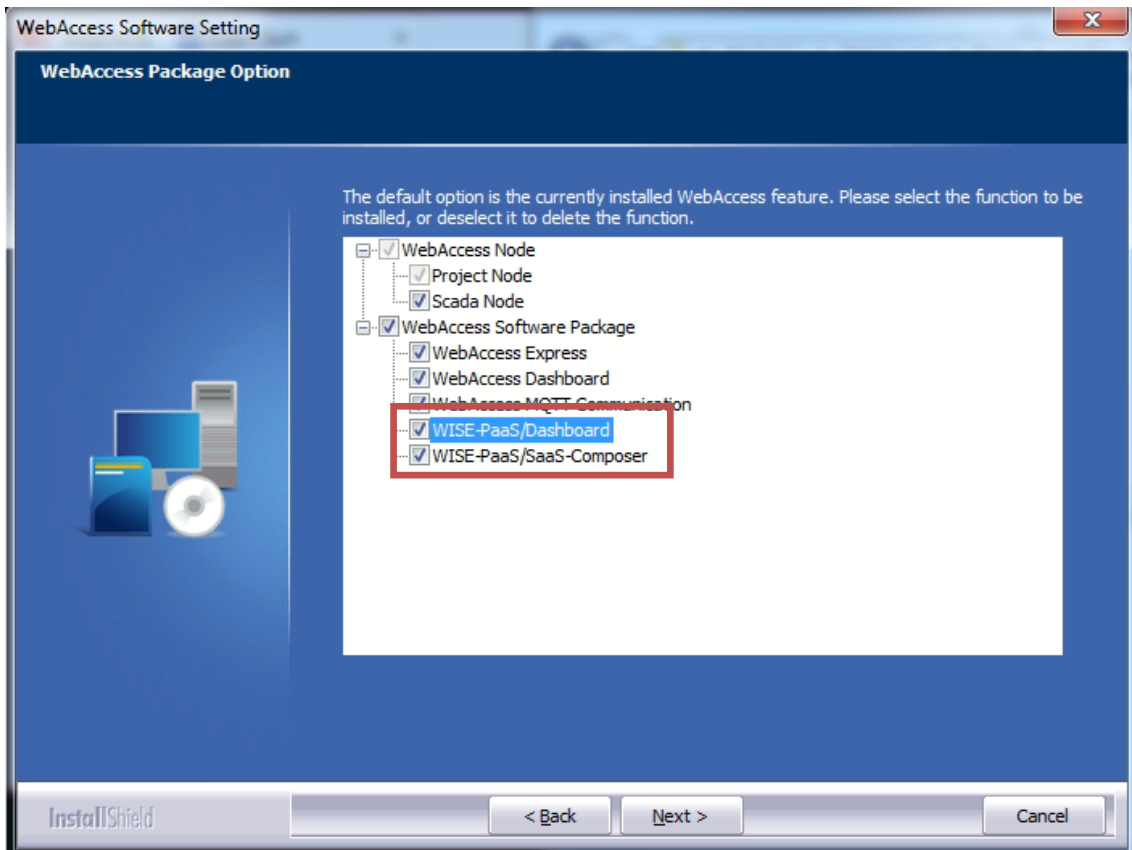
A. 使用 WebAccess 預設安裝的 PostgreSQL。

1. 安裝 WebAccess 程序前，需先確認以下事項

※安裝 WebAccess 過程前，確認 Windows 系統內無安裝其他版本的 PostgreSQL，如果有請移除



※安裝 WebAccess 過程中，需要勾選安裝 **WISE-PaaS Dashboard or SaaS Composer** 的功能



2. 安裝 PostgreSQL ODBC driver 。(必須與 PostgreSQL 版本相同並使用 x86 的版本)

下載路徑：<https://www.postgresql.org/ftp/odbc/versions/msi/>

※WebAccess 預設安裝的 PostgreSQL 版本是 10.6，故請下載 **psqlodbc_10_03_0000-x86.zip** 版本

13th February 2020: PostgreSQL 12.2, 11.7, 10.12, 9.6.17, 9.5.21, and 9.4.26 Released!

Quick Links

- Downloads
 - Binary
 - Source
- Software Catalogue
- File Browser

File Browser

Top → odbc → versions → msi

Directories

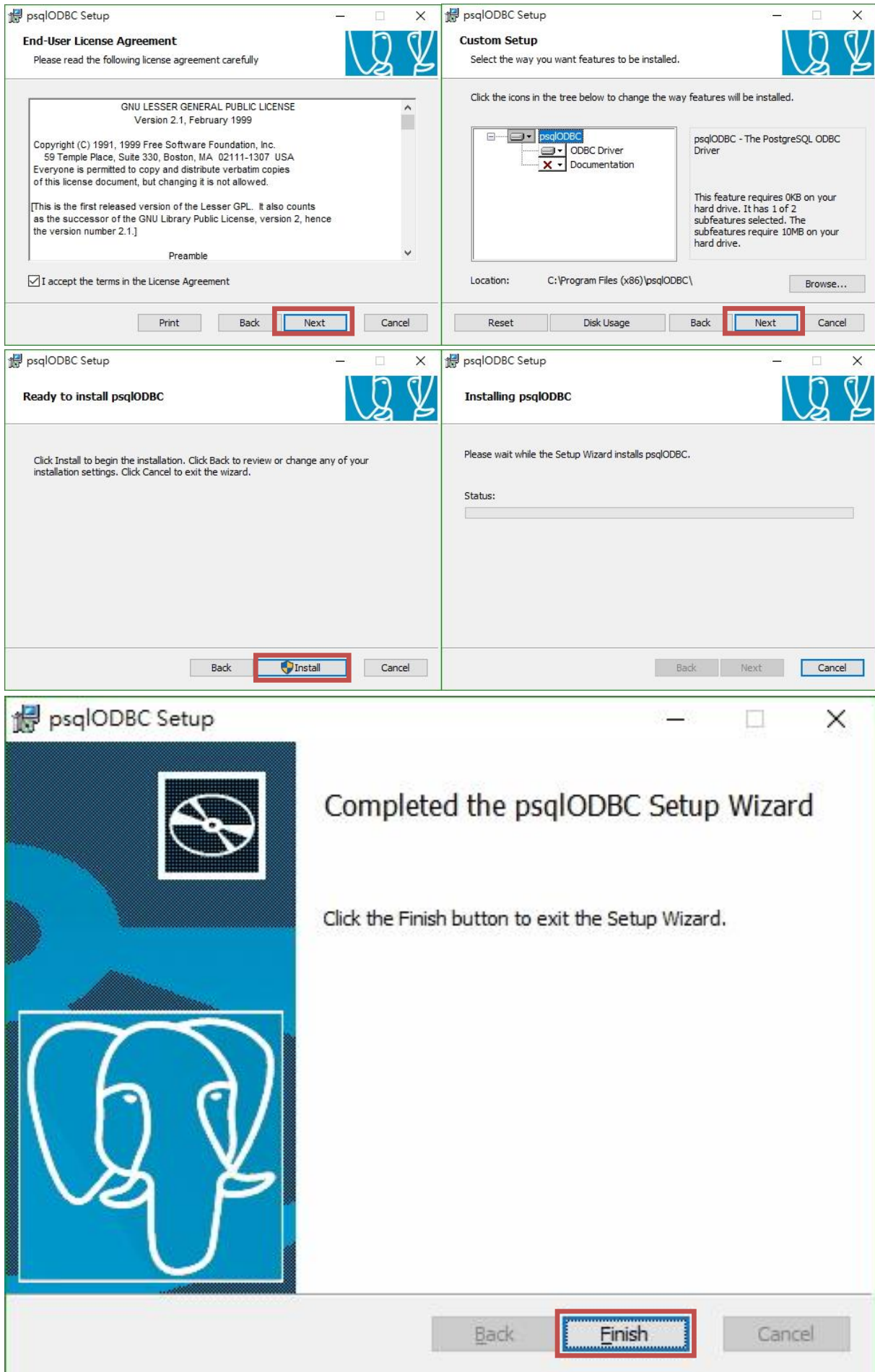
[Parent Directory]

Files

psqlodbc-07_01_0007.zip	2001-09-24 12:45:42	192.1 KB
psqlodbc-07_01_0008.zip	2001-10-29 11:24:18	192.1 KB
psqlodbc-07_01_0009.zip	2001-11-27 09:36:32	197.0 KB
psqlodbc-07_01_0010.zip	2002-03-19 08:12:29	197.5 KB
psqlodbc-07_02_0001.zip	2002-04-15 13:12:00	486.9 KB
psqlodbc-07_02_0002.zip	2002-08-30 14:32:59	499.0 KB
psqlodbc-07_02_0003.zip	2002-10-03 09:21:26	508.3 KB
psqlodbc-07_02_0004.zip	2002-11-08 08:59:57	510.1 KB
psqlodbc-07_02_0005.zip	2002-11-29 13:25:05	513.2 KB
psqlodbc_10_00_0000-x64.zip	2017-10-13 14:23:53	4.4 MB
psqlodbc_10_00_0000-x86.zip	2017-10-13 14:23:53	4.2 MB
psqlodbc_10_00_0000.zip	2017-10-13 14:23:53	9.0 MB
psqlodbc_10_01_0000-x64.zip	2017-12-27 14:39:54	4.4 MB
psqlodbc_10_01_0000-x86.zip	2017-12-27 14:39:54	4.2 MB
psqlodbc_10_01_0000.zip	2017-12-27 14:39:54	9.0 MB
psqlodbc_10_02_0000.zip	2018-03-30 14:31:45	4.4 MB
psqlodbc_10_03_0000-x64.zip	2018-03-30 14:31:45	4.2 MB
psqlodbc_10_03_0000-x86.zip	2018-05-19 13:14:46	4.2 MB
psqlodbc_10_03_0000.zip	2018-05-19 13:14:46	9.0 MB
psqlodbc_11_00_0000-x64.zip	2018-11-17 13:50:44	3.5 MB
psqlodbc_11_00_0000-x86.zip	2018-11-17 13:50:44	3.0 MB
psqlodbc_11_00_0000.zip	2018-11-17 13:50:44	6.8 MB
psqlodbc_11_01_0000-x64.zip	2019-05-24 14:28:42	3.5 MB
psqlodbc_11_01_0000-x86.zip	2019-05-24 14:28:42	3.0 MB
psqlodbc_11_01_0000.zip	2019-05-24 14:28:42	6.8 MB
psqlodbc_12_00_0000-x64.zip	2019-10-11 14:14:32	3.7 MB
psqlodbc_12_00_0000-x86.zip	2019-10-11 14:14:32	3.3 MB
psqlodbc_12_00_0000.zip	2019-10-11 14:14:32	7.3 MB
psqlodbc_12_01_0000-x64.zip	2020-01-07 13:53:45	3.6 MB
psqlodbc_12_01_0000-x86.zip	2020-01-07 13:53:45	3.3 MB
psqlodbc_12_01_0000.zip	2020-01-07 13:53:45	7.3 MB

請確認選擇 32 位元版本的 (x86)

※安裝 **psqlodbc_10_03_0000-x86.zip** 版本，點選下一步，使用預設安裝即可



3. 安裝 **pgAdmin**。(用於 PostgreSQL 的客戶端軟體)

下載路徑：<https://www.pgadmin.org/download/>

※請下載 **Windows** 的**最新版本**

Download

pgAdmin is a free software project released under the PostgreSQL/Artistic licence. The software is available in source and binary format from the PostgreSQL mirror network. Because compiling from source requires technical knowledge, we recommend installing binary packages whenever possible.

The pages in this section give additional details about each binary package available as well as more direct download links. In addition, you can download source tarballs and pgAgent for your servers to enable additional functionality.

pgAdmin 4

pgAdmin 4 is a complete rewrite of pgAdmin, built using Python and Javascript/Query. A desktop runtime written in C++ with Qt allows it to run standalone for individual users, or the web application code may be deployed directly on a webserver for use by one or more users through their web browser. The software has the look and feel of a desktop application whatever the runtime environment is, and vastly improves on pgAdmin III with updated user interface elements, multi-user/web deployment options, dashboards and a more modern design.

Container macOS Python Wheel APT RPM Source Code **Windows**

pgAdmin 3

pgAdmin 3 is the most popular and feature rich Open Source administration and development platform for PostgreSQL, the most advanced Open Source database in the world. The application may be used on Linux, FreeBSD, Solaris, macOS and Windows platforms to manage PostgreSQL 8.4 through 9.5 running on any platform, as well as commercial and derived versions of PostgreSQL such as EDB Postgres Advanced Server.

WARNING: pgAdmin 3 is no longer supported. It is recommended that you download pgAdmin 4 instead.

macOS Source Code Windows

pgAdmin 4 (Windows)

Download

Maintainer: Dave Page

pgAdmin is available for Windows™ 7 SP1 (desktop) or 2008R2 (server) and above. The packages below include both the Desktop Runtime and Web Application.

- pgAdmin 4 v4.20 (released April 2, 2020)
- pgAdmin 4 v4.18 (released Feb. 6, 2020)
- pgAdmin 4 v4.17 (released Jan. 9, 2020)
- pgAdmin 4 v3.8 (released Nov. 29, 2018)
- pgAdmin 4 v2.1 (released Jan. 11, 2018)
- pgAdmin 4 v1.6 (released July 10, 2017)

Notes

Nightly snapshot builds generated from the head of the master branch are available here.

To install these packages, simply download and run the installer.

While the Windows packages are signed with a Microsoft-issued digital signing key, a separate GPG signature is also provided for each downloadable file in the corresponding .asc file. The public key for these signatures can be found on OpenPGP key servers, for example here. The GPG key ID is **Package Manager (Package Signing Key)** - **pgadmin4@pgadmin.org** - and has a fingerprint of **8B69 7E2E 0776 C2D2 5A63 3277 0881 62A2 2109 74F2**.

Alternative Distributions

Container macOS Python Wheel APT RPM Source Code

File Browser

Top - pgadmin - pgadmin4 - v4.20 - windows

Directories

Files

File	Size	Download Date
pgadmin4-4.20-x86.exe	138 bytes	2020-04-02 08:15:51
pgadmin4-4.20-x86.exe.asc	63.7 KB	2020-04-02 08:16:11

Current Maintainer

Support: pgadmin-support@lists.postgresql.org
 Website: <https://www.pgadmin.org/>
 Tracker: <https://redmine.postgresql.org/projects/pgadmin4>

※安裝 **pgadmin4-4.20-x86.exe** 版本，點選下一步，使用預設安裝即可

Setup - pgAdmin 4

Welcome to the pgAdmin 4 Setup Wizard

This will install pgAdmin 4 version 4.20 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Next > **Cancel**

Setup - pgAdmin 4

Completing the pgAdmin 4 Setup Wizard

Setup has finished installing pgAdmin 4 on your computer. The application may be launched by selecting the installed shortcuts.

Click Finish to exit Setup.

☒ Launch pgAdmin 4

Finish

4. 使用 **pgAdmin** 創建連線到 **PostgreSQL Server**

※第一次開啟 pgAdmin 時，會跳出**密碼認證**，請先使用 **Reset Master Password** 來設定密碼

Unlock Saved Passwords

Please enter your master password.
This is required to unlock saved passwords and reconnect to the database server(s).

Password

?
Reset Master Password
Cancel
OK

Set Master Password

Please set a master password for pgAdmin.
This will be used to secure and later unlock saved passwords and other credentials.

Password

?
Cancel
OK

※創建連線到 **PostgreSQL Server**

The screenshot shows the pgAdmin 4 web interface. The 'Servers' menu is open, showing options like 'Create', 'Refresh...', and 'Properties...'. The 'Create' option is highlighted, and a sub-menu is visible with 'Server Group...' and 'Server...' options. The 'Server...' option is highlighted. The main dashboard displays several performance graphs: 'Transactions per second' (showing Transactions, Commits, and Rollbacks), 'Tuples in' (showing Inserts, Updates, and Deletes), 'Tuples out' (showing Fetched and Returned), and 'Block I/O' (showing Reads and Hits). Below the graphs is a 'Server activity' section with tabs for Sessions, Locks, Prepared Transactions, and Configuration. The 'Sessions' tab is active, showing a table of active sessions.

	PID	Database	User	Application	Client	Backend start	State	Wait
✖	4804	postgres	postgres	pgAdmin 4 - DB:postgres	127.0.0.1	2020-04-17 10:13:15 CST	active	
✖	7044					2020-04-17 09:21:27 CST	Act	
✖	7052					2020-04-17 09:21:27 CST	Act	
✖	7060					2020-04-17 09:21:27 CST	Act	

※WebAccess 安裝的 PostgreSQL 預設連線資訊如下：

➤ General :

✧ Name : 資料庫辨識名稱

(使用者自行定義)

➤ Connection :

✧ Host name / address : 連線資料庫的實際 IP (127.0.0.1 or 實際 IP 位置)

✧ Port : 5436 (WebAccess 預設，不可修改)

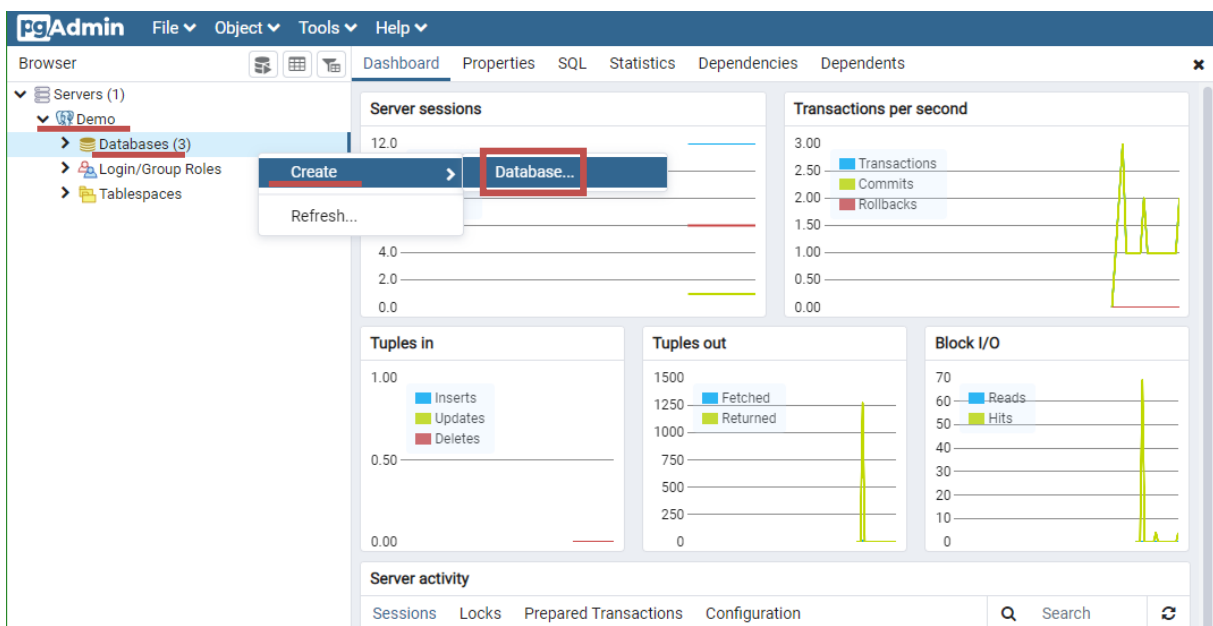
✧ Maintenance database : postgres (WebAccess 預設，不可修改)

✧ Username : postgres (WebAccess 預設，不可修改)

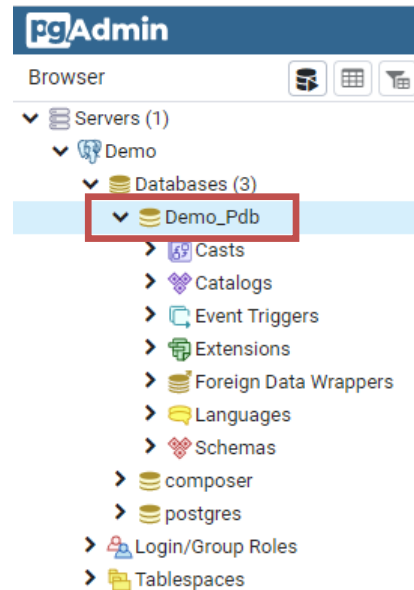
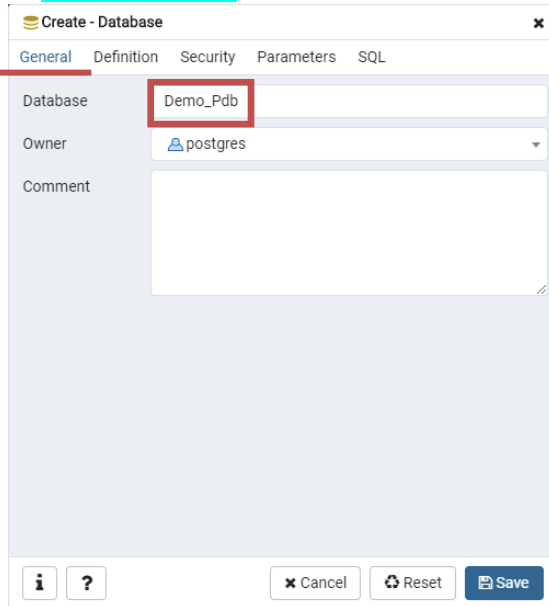
✧ Password : Postgre@sql1 (WebAccess 預設，不可修改)

5. 使用 pgAdmin 在 PostgreSQL server 上創建 Database 資料庫

※登入 Server，進入剛建立的 Demo 連線，於 Databases 內建立一組新的 Database



※給予 **Database 名稱**，即可確定建立。(不用建立表單，WebAccess 預設)



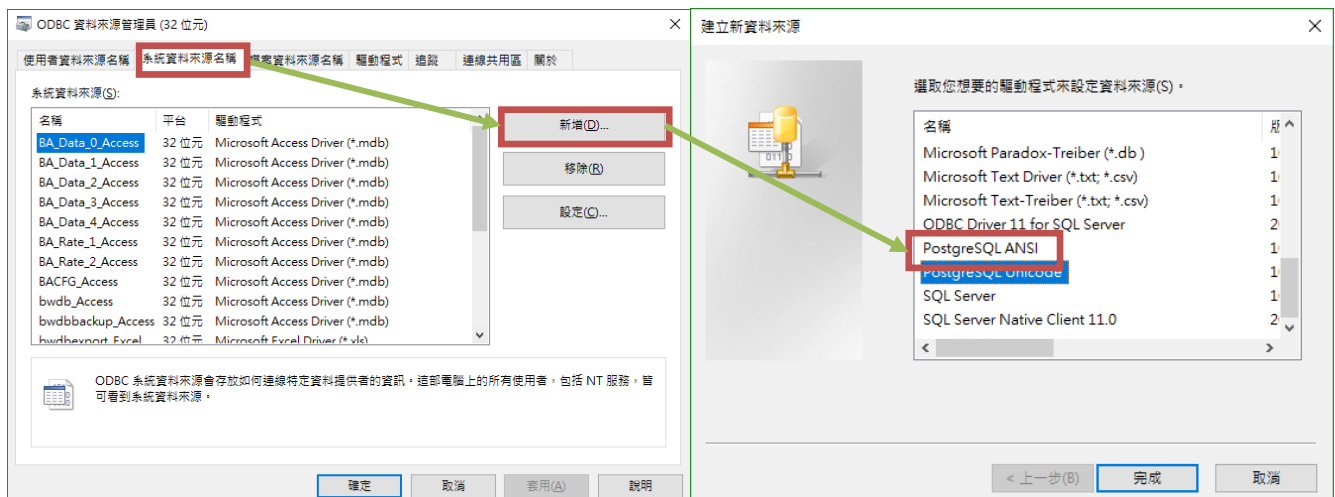
6. 使用 ODBC 資料來源管理員 (32 位元) 上創建系統資料來源 DSN 連線

(WebAccess 僅支援 32 位元的 ODBC 連線)

※搜尋控制台 > 點選系統管理工具 > 點選 ODBC 資料來源管理員 (32 位元)

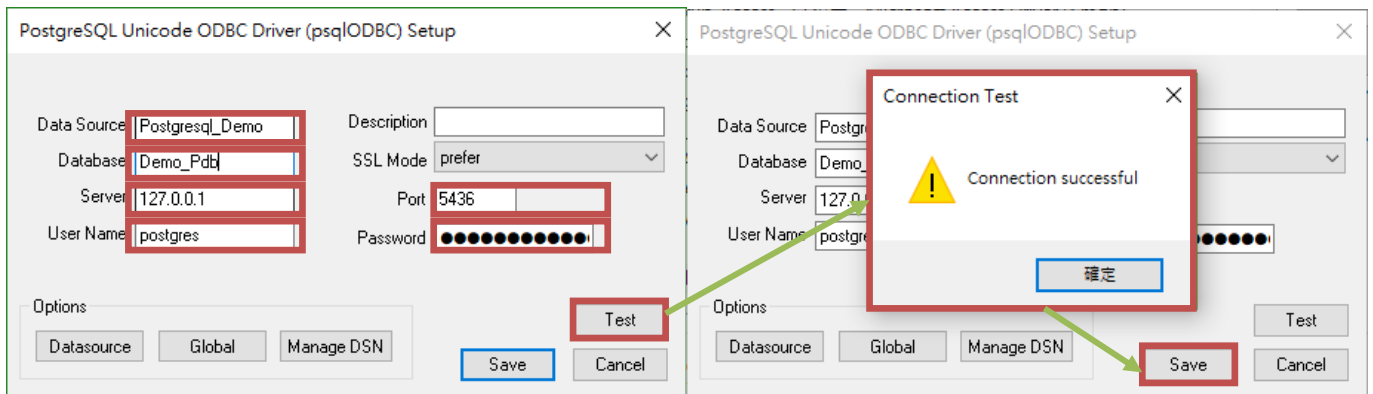


※切換分頁至系統資料來源名稱 > 點選新增 > 找尋 PostgreSQL Unicode

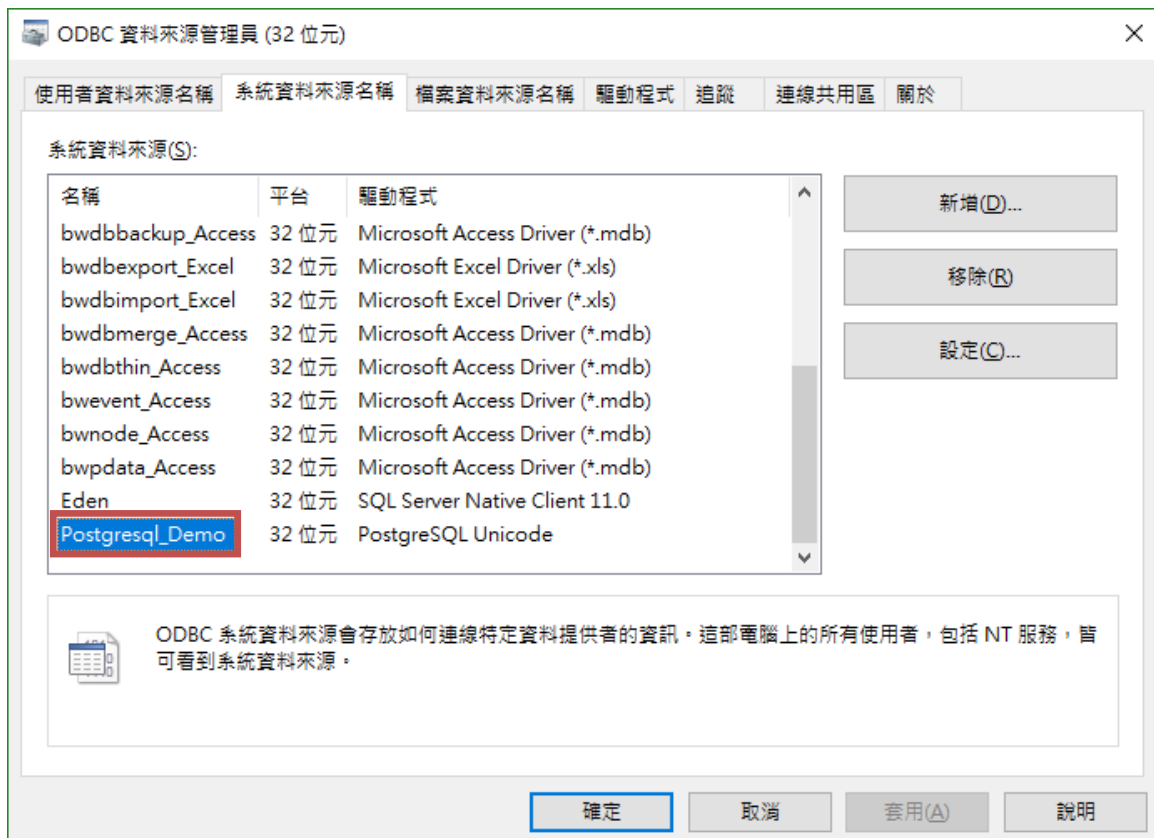


※PostgreSQL 預設 ODBC 連線資訊如下：

- ❏ Data Source : 系統資料來源辨識名稱 (使用者自行定義)
- ❏ Description : 系統描述 (使用者自行定義)
- ❏ Database : PostgreSQL 上 Database 名稱 (同第 5 步定義的名稱)
- ❏ SSL Mode : 選擇連線的模式 (使用預設即可_prefer)
- ❏ Server : 系統資料來源的實際 IP (127.0.0.1 or 實際 IP 位置)
- ❏ Port : 5436 (WebAccess 預設，不可修改)
- ❏ User Name : postgres (WebAccess 預設，不可修改)
- ❏ Password : Postgre@sql1 (WebAccess 預設，不可修改)



※在 ODBC 連線資訊內設置完成 PostgreSQL 資訊：



7. 使用 IE Browser 開啟 WebAccess 工程首頁，並設定 ODBC 資料紀錄來源

※登入 WebAccess 工程首頁 > 左上方展開功能 > 設置下拉選單 > 點擊 ODBC 資料紀錄來源



※PostgreSQL 預設 ODBC 連線資訊如下：

- ✧ Data Source ID：ODBC 資料來源辨識 ID (數字格式，自行定義，不重複即可)
- ✧ 資料來源名稱(DSN)：ODBC 系統資料來源名稱(同第 6 步定義的名稱)
- ✧ 資料來源登入名稱：postgres (WebAccess 預設，不可修改)
- ✧ 資料來源密碼：Postgre@sql1 (WebAccess 預設，不可修改)
- ✧ 再輸入資料來源密碼：Postgre@sql1 (WebAccess 預設，不可修改)
- ✧ 描述：系統描述 (使用者自行定義)



※在 WebAccess 內設置完成 ODBC 連線資訊：



SCADA 工程管理

POWERED BY WebAccess

ODBC資料記錄來源

使用分月資料表 關閉 ▾

ID	資料來源名稱(DSN)	描述	更新	刪除	連線測試	選擇
1	bwpdata_Access	ODBC記錄資料來源(Microsoft Access)			連線測試	☒
3	Postgresql_Demo		更新	刪除	連線測試	☐

建立新的ODBC記錄資料來源

Data Source ID

資料來源名稱(DSN)

資料來源登入名稱

資料來源密碼

再輸入資料來源密碼

描述

提供新的ODBC記錄資料來源



SCADA 工程管理

POWERED BY WebAccess

ODBC資料記錄來源

使用分月資料表 關閉 ▾

ID	資料來源名稱(DSN)	描述	更新	刪除	連線測試	選擇
1	bwpdata_Access	ODBC記錄資料來源(Microsoft Access)			連線測試	☒
3	Postgresql_Demo		更新	刪除	連線測試	☐

建立新的ODBC記錄資料來源

ODBC Connection Test

連線測試成功

資料來源密碼

再輸入資料來源密碼

描述

提供新的ODBC記錄資料來源

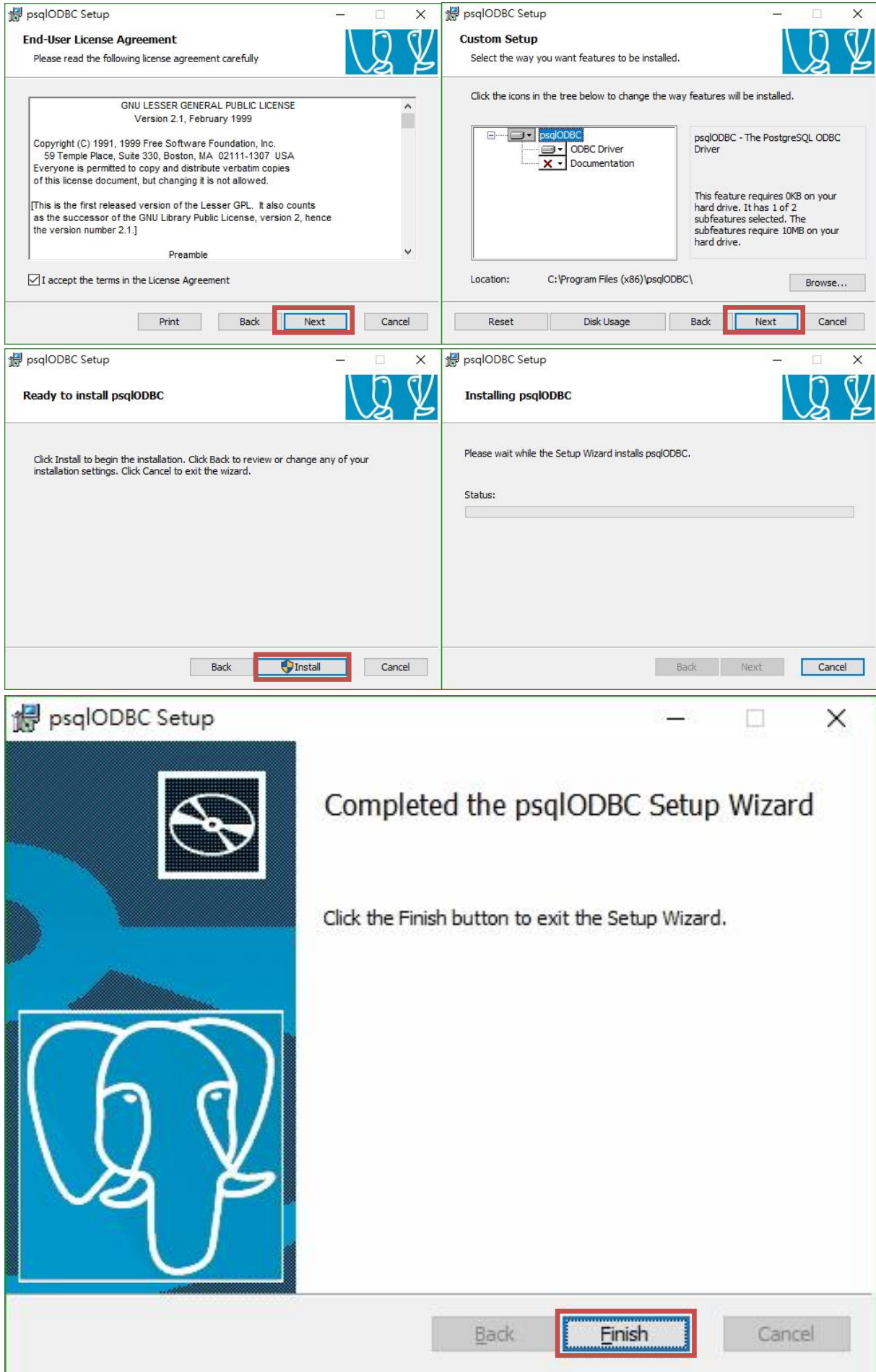
B. 透過使用者自行下載 PostgreSQL 並安裝。

1. 安裝 **PostgreSQL ODBC driver**。(必須與 PostgreSQL 版本相同並使用 x86 的版本)
下載路徑：<https://www.postgresql.org/ftp/odbc/versions/msi/>

The screenshot shows the PostgreSQL ODBC driver download page. A blue box highlights the first four files (psqlodbc-07_01_0007.zip to psqlodbc-07_01_0010.zip) with the text "請選擇對應版本的 32 位元(x86)". White arrows point to the x86 versions of the 10, 11, and 12 series drivers.

File Name	Date	Size
psqlodbc-07_01_0007.zip	2001-09-24 12:45:42	192.1 KB
psqlodbc-07_01_0008.zip	2001-10-29 11:24:18	192.1 KB
psqlodbc-07_01_0009.zip	2001-11-27 09:36:32	197.0 KB
psqlodbc-07_01_0010.zip	2002-03-19 08:12:29	197.5 KB
psqlodbc-07_02_0004.zip	2002-04-15 13:12:00	486.9 KB
psqlodbc-07_02_0005.zip	2002-08-30 14:32:59	499.0 KB
psqlodbc-10_00_0000-x64.zip	2002-10-03 09:21:26	508.3 KB
psqlodbc-10_00_0000-x86.zip	2002-11-08 08:59:57	510.1 KB
psqlodbc-10_01_0000-x64.zip	2002-11-29 13:25:05	513.2 KB
psqlodbc-10_01_0000-x86.zip	2017-10-13 14:23:53	4.4 MB
psqlodbc-10_02_0000-x64.zip	2017-10-13 14:23:53	4.2 MB
psqlodbc-10_02_0000-x86.zip	2017-10-13 14:23:53	9.0 MB
psqlodbc-10_03_0000-x64.zip	2017-12-27 14:39:54	4.4 MB
psqlodbc-10_03_0000-x86.zip	2017-12-27 14:39:54	4.2 MB
psqlodbc-11_00_0000-x64.zip	2017-12-27 14:39:54	9.0 MB
psqlodbc-11_00_0000-x86.zip	2018-03-30 14:31:45	4.4 MB
psqlodbc-11_01_0000-x64.zip	2018-03-30 14:31:45	4.2 MB
psqlodbc-11_01_0000-x86.zip	2018-03-30 14:31:45	8.9 MB
psqlodbc-12_00_0000-x64.zip	2018-05-19 13:14:46	4.4 MB
psqlodbc-12_00_0000-x86.zip	2018-05-19 13:14:46	4.2 MB
psqlodbc-12_01_0000-x64.zip	2018-05-19 13:14:46	9.0 MB
psqlodbc-12_01_0000-x86.zip	2018-11-17 13:50:44	3.5 MB
psqlodbc-12_02_0000-x64.zip	2018-11-17 13:50:44	3.0 MB
psqlodbc-12_02_0000-x86.zip	2018-11-17 13:50:44	6.8 MB
psqlodbc-12_03_0000-x64.zip	2019-05-24 14:28:42	3.5 MB
psqlodbc-12_03_0000-x86.zip	2019-05-24 14:28:42	3.0 MB
psqlodbc-12_04_0000-x64.zip	2019-05-24 14:28:42	6.8 MB
psqlodbc-12_04_0000-x86.zip	2019-10-11 14:14:32	3.7 MB
psqlodbc-12_05_0000-x64.zip	2019-10-11 14:14:32	3.3 MB
psqlodbc-12_05_0000-x86.zip	2019-10-11 14:14:32	7.3 MB
psqlodbc-12_06_0000-x64.zip	2020-01-07 13:53:45	3.6 MB
psqlodbc-12_06_0000-x86.zip	2020-01-07 13:53:45	3.3 MB
psqlodbc-12_07_0000-x64.zip	2020-01-07 13:53:45	7.3 MB
psqlodbc-12_07_0000-x86.zip	2020-01-07 13:53:45	7.3 MB

※安裝 **x86.zip** 版本，點選下一步，使用預設安裝即可



2. 安裝 **pgAdmin**。(用於 PostgreSQL 的客戶端軟體)

下載路徑：<https://www.pgadmin.org/download/>

※請下載 **Windows** 的**最新版本**

Download

pgAdmin is a free software project released under the PostgreSQL/Artistic licence. The software is available in source and binary format from the PostgreSQL mirror network. Because compiling from source requires technical knowledge, we recommend installing binary packages whenever possible.

The pages in this section give additional details about each binary package available as well as more direct download links. In addition, you can download source tarballs and pgAgent for your servers to enable additional functionality.

pgAdmin 4

pgAdmin 4 is a complete rewrite of pgAdmin, built using Python and Javascript/Query. A desktop runtime written in C++ with Qt allows it to run standalone for individual users, or the web application code may be deployed directly on a webserver for use by one or more users through their web browser. The software has the look and feel of a desktop application whatever the runtime environment is, and vastly improves on pgAdmin III with updated user interface elements, multi-user/web deployment options, dashboards and a more modern design.

Container macOS Python Wheel APT RPM Source Code **Windows**

pgAdmin 3

pgAdmin 3 is the most popular and feature rich Open Source administration and development platform for PostgreSQL, the most advanced Open Source database in the world. The application may be used on Linux, FreeBSD, Solaris, macOS and Windows platforms to manage PostgreSQL 8.4 through 9.5 running on any platform, as well as commercial and derived versions of PostgreSQL such as EDB Postgres Advanced Server.

WARNING: pgAdmin 3 is no longer supported. It is recommended that you download pgAdmin 4 instead.

macOS Source Code Windows

pgAdmin 4 (Windows)

Download

Maintainer: Dave Page

pgAdmin is available for Windows™ 7 SP1 (desktop) or 2008R2 (server) and above. The packages below include both the Desktop Runtime and Web Application.

- pgAdmin 4 v4.20 (released April 2, 2020)
- pgAdmin 4 v4.18 (released Feb. 6, 2020)
- pgAdmin 4 v4.17 (released Jan. 9, 2020)
- pgAdmin 4 v3.8 (released Nov. 29, 2018)
- pgAdmin 4 v3.7 (released Jan. 11, 2018)
- pgAdmin 4 v3.6 (released July 10, 2017)

Notes

Nightly snapshot builds generated from the head of the master branch are available here.

To install these packages, simply download and run the installer.

While the Windows packages are signed with a Microsoft-issued digital signing key, a separate GPG signature is also provided for each downloadable file in the corresponding .asc file. The public key for these signatures can be found on OpenPGP key servers, for example here. The GPG key ID is **Package Manager (Package Signing Key)** - **pgadmin4@pgadmin.org** - and has a fingerprint of **8B69 712E 0776 C32D 3A63 3277 0881 63A2 2109 74F2**.

Alternative Distributions

Container macOS Python Wheel APT RPM Source Code

File Browser

Top → pgadmin → pgadmin4 → v4.20 → windows

Directories

Files

File	Size	Download Date
pgadmin4-4.20-x86.exe	138 bytes	2020-04-02 08:15:51
pgadmin4-4.20-x86.exe.asc	63.7 KB	2020-04-02 08:16:11

Current Maintainer

Support: pgadmin-support@lists.postgresql.org
 Website: <https://www.pgadmin.org/>
 Tracker: <https://redmine.postgresql.org/projects/pgadmin4>

※安裝 **pgadmin4-4.20-x86.exe** 版本，點選下一步，使用預設安裝即可

Setup - pgAdmin 4

Welcome to the pgAdmin 4 Setup Wizard

This will install pgAdmin 4 version 4.20 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Next > Cancel

Completing the pgAdmin 4 Setup Wizard

Setup has finished installing pgAdmin 4 on your computer. The application may be launched by selecting the installed shortcuts.

Click Finish to exit Setup.

☒ Launch pgAdmin 4

Finish

3. 使用 **pgAdmin** 創建連線到 **PostgreSQL Server**

※第一次開啟 pgAdmin 時，會跳出**密碼認證**，請先使用 **Reset Master Password** 來設定密碼

Unlock Saved Passwords

Please enter your master password.
This is required to unlock saved passwords and reconnect to the database server(s).

Password

?
Reset Master Password
Cancel
OK

Set Master Password

Please set a master password for pgAdmin.
This will be used to secure and later unlock saved passwords and other credentials.

Password

?
Cancel
OK

※創建連線到 **PostgreSQL Server**

The screenshot shows the pgAdmin 4 web interface. The 'Servers' menu is open, showing options like 'Create', 'Refresh...', and 'Properties...'. The 'Create' option is highlighted, and a sub-menu is visible with 'Server Group...' and 'Server...' options. The 'Server...' option is highlighted. The main dashboard displays several performance graphs: 'Transactions per second' (showing Transactions, Commits, and Rollbacks), 'Tuples in' (showing Inserts, Updates, and Deletes), 'Tuples out' (showing Fetched and Returned), and 'Block I/O' (showing Reads and Hits). Below the graphs is a 'Server activity' section with tabs for Sessions, Locks, Prepared Transactions, and Configuration. The 'Sessions' tab is active, showing a table of active sessions.

	PID	Database	User	Application	Client	Backend start	State	Wait
✖	4804	postgres	postgres	pgAdmin 4 - DB:postgres	127.0.0.1	2020-04-17 10:13:15 CST	active	
✖	7044					2020-04-17 09:21:27 CST	Act	
✖	7052					2020-04-17 09:21:27 CST	Act	
✖	7060					2020-04-17 09:21:27 CST	Act	

※設定 PostgreSQL 預設連線資訊如下：

➤ General：

✧ Name：資料庫辨識名稱

(使用者自行定義)

➤ Connection：

✧ Host name / address：連線資料庫的實際 IP

(127.0.0.1 or 實際 IP 位置)

✧ Port：5436

(可自行修改)

✧ Maintenance database：postgres

(可自行修改)

✧ Username：postgres

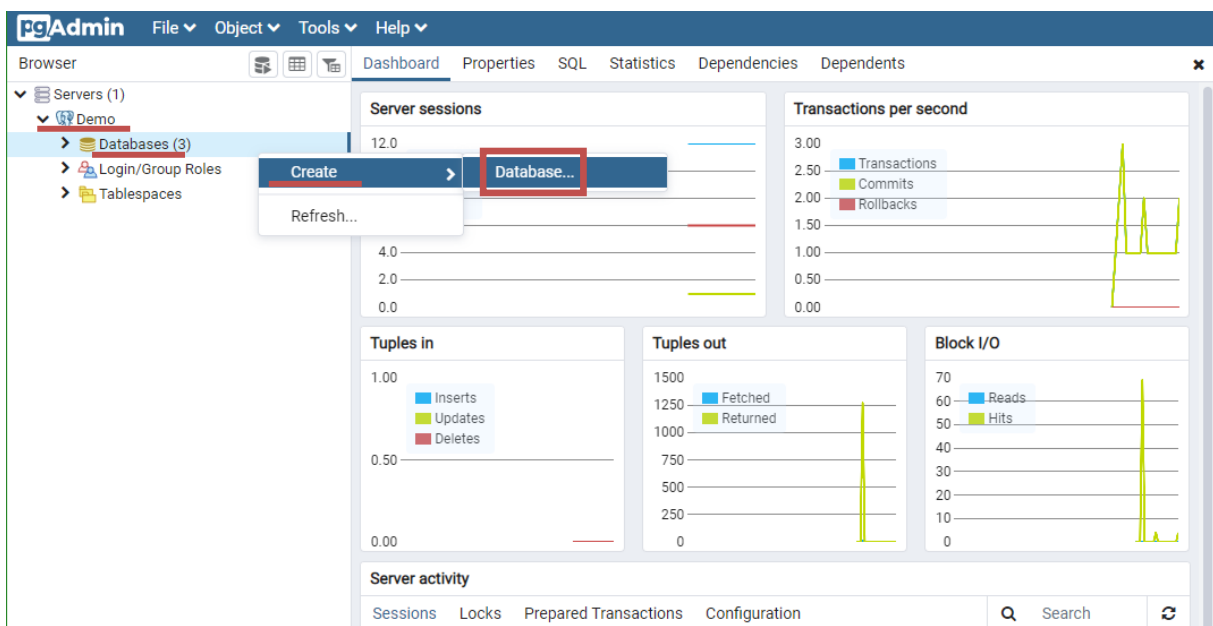
(可自行修改)

✧ Password：Postgre@sql1

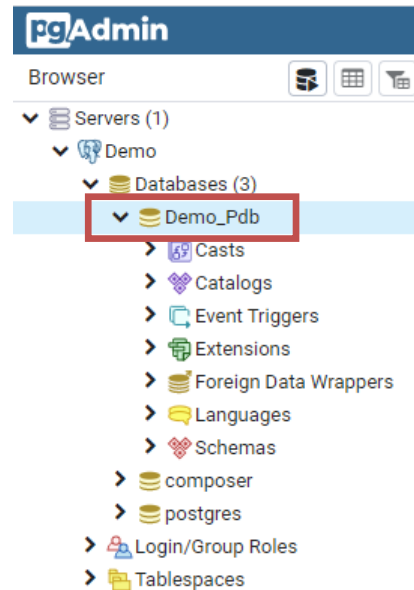
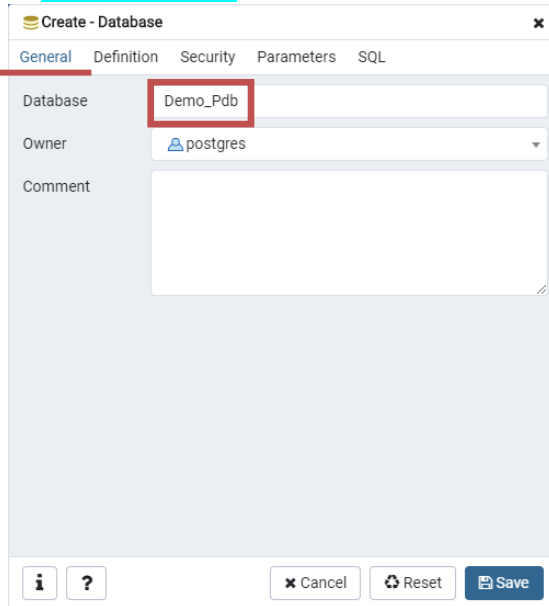
(可自行修改)

4. 使用 pgAdmin 在 PostgreSQL server 上創建 Database 資料庫

※登入 Server，進入剛建立的 Demo 連線，於 Databases 內建立一組新的 Database



※給予 **Database 名稱**，即可確定建立。(不用建立表單，WebAccess 預設)



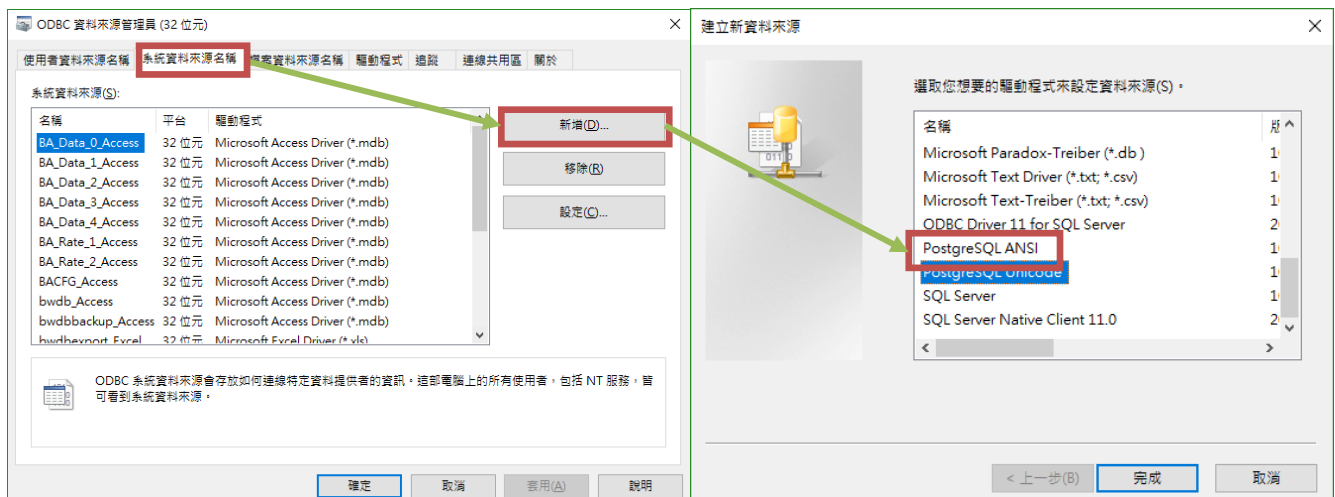
5. 使用 ODBC 資料來源管理員 (32 位元) 上創建系統資料來源 DSN 連線

(WebAccess 僅支援 32 位元的 ODBC 連線)

※搜尋控制台 > 點選系統管理工具 > 點選 ODBC 資料來源管理員 (32 位元)

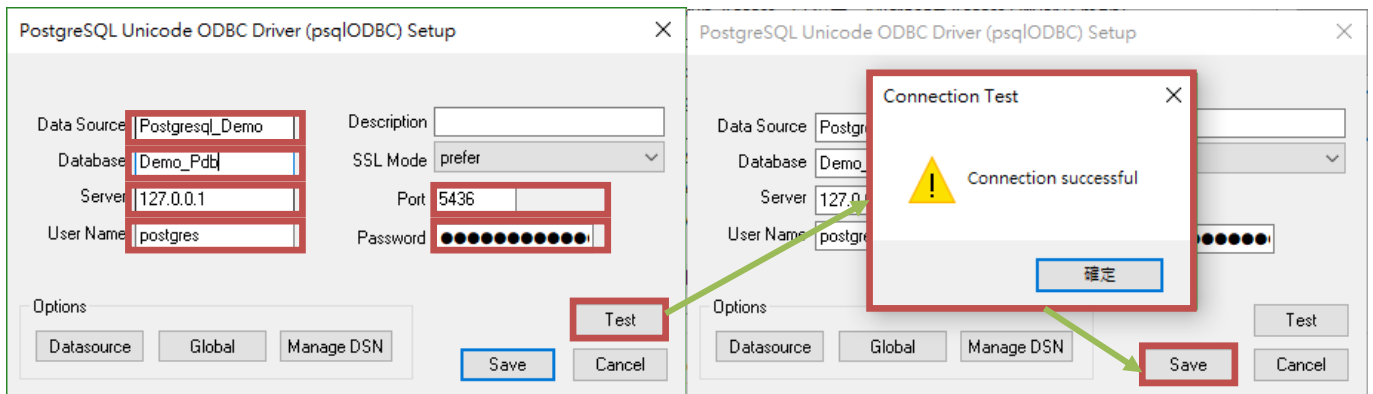


※切換分頁至系統資料來源名稱 > 點選新增 > 找尋 PostgreSQL Unicode

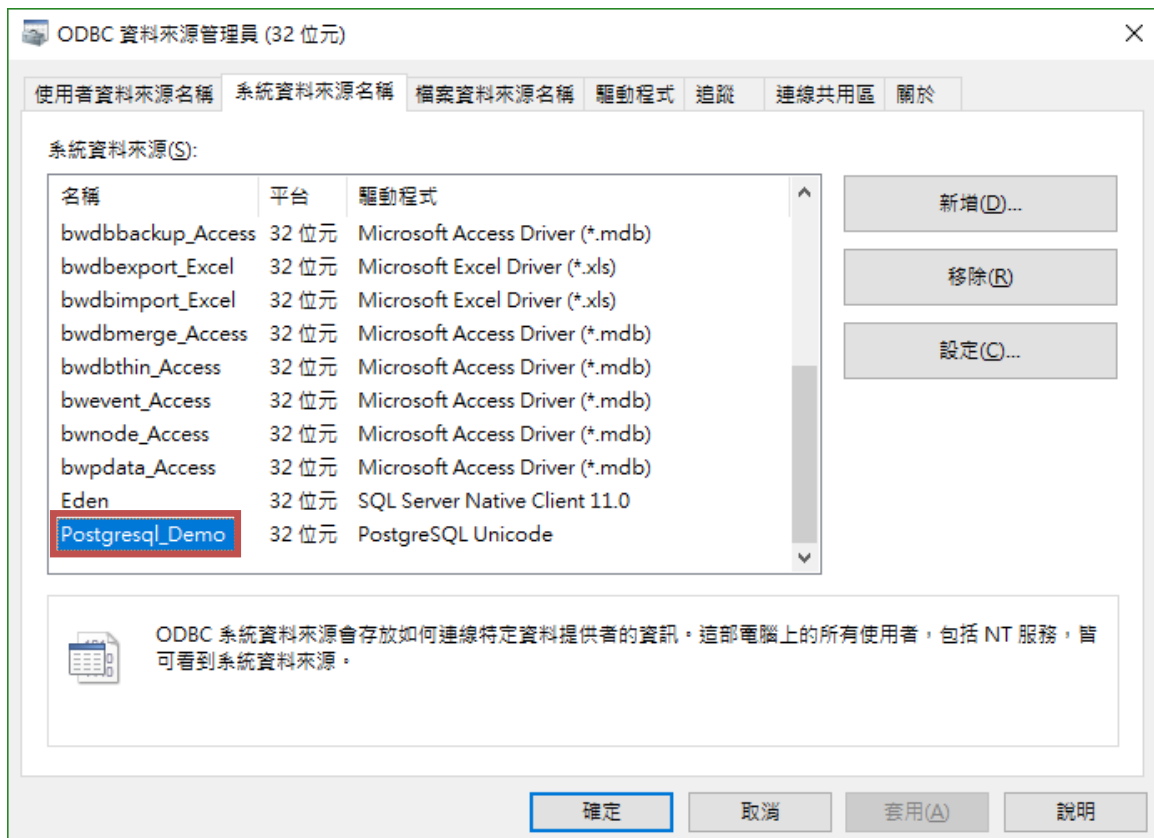


※PostgreSQL 預設 ODBC 連線資訊如下：

- ❏ Data Source：系統資料來源辨識名稱 (使用者自行定義)
- ❏ Description：系統描述 (使用者自行定義)
- ❏ Database：PostgreSQL 上 Database 名稱 (同第 5 步定義的名稱)
- ❏ SSL Mode：選擇連線的模式 (使用預設即可_prefer)
- ❏ Server：系統資料來源的實際 IP (127.0.0.1 or 實際 IP 位置)
- ❏ Port：5436 (可自行修改)
- ❏ User Name：postgres (可自行修改)
- ❏ Password：Postgre@sql1 (可自行修改)



※在 ODBC 連線資訊內設置完成 PostgreSQL 資訊：



6. 使用 IE Browser 開啟 WebAccess 工程首頁，並設定 ODBC 資料紀錄來源

※登入 WebAccess 工程首頁 > 左上方展開功能 > 設置下拉選單 > 點擊 ODBC 資料紀錄來源



※PostgreSQL 預設 ODBC 連線資訊如下：

- ❑ Data Source ID：ODBC 資料來源辨識 ID (數字格式，自行定義，不重複即可)
- ❑ 資料來源名稱(DSN)：ODBC 系統資料來源名稱(同第 6 步定義的名稱)
- ❑ 資料來源登入名稱：postgres (可自行修改)
- ❑ 資料來源密碼：Postgre@sql1 (可自行修改)
- ❑ 再輸入資料來源密碼：Postgre@sql1 (可自行修改)
- ❑ 描述：系統描述 (使用者自行定義)



※在 WebAccess 內設置完成 ODBC 連線資訊：

SCADA 工程管理

POWERED BY WebAccess

ODBC資料記錄來源

使用分月資料表 關閉 ▾

ID	資料來源名稱(DSN)	描述	更新	刪除	連線測試	選擇
1	bwpdata_Access	ODBC記錄資料來源(Microsoft Access)			連線測試	☒
3	Postgresql_Demo		更新	刪除	連線測試	☐

建立新的ODBC記錄資料來源

Data Source ID

資料來源名稱(DSN)

資料來源登入名稱

資料來源密碼

再輸入資料來源密碼

描述

提供新的ODBC記錄資料來源

SCADA 工程管理

POWERED BY WebAccess

ODBC資料記錄來源

使用分月資料表 關閉 ▾

ID	資料來源名稱(DSN)	描述	更新	刪除	連線測試	選擇
1	bwpdata_Access	ODBC記錄資料來源(Microsoft Access)			連線測試	☒
3	Postgresql_Demo		更新	刪除	連線測試	☐

建立新的ODBC記錄資料來源

ODBC Connection Test

連線測試成功

資料來源密碼

再輸入資料來源密碼

描述

提供新的ODBC記錄資料來源

■ Pin Definition (in case of serial connection):

■ Reference: