

# ***PSQL v13 Release Notes General Release – June 2017***

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Welcome to the General Release of PSQL v13.

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This document is included in your PSQL installation but may be updated after the release. Its latest version is always posted on the [Action website](#).

## **Overview**

### ***Product Editions***

This release includes the following editions.

### **Windows**

- PSQL Server

- PSQL Vx Server
- PSQL Workgroup
- PSQL Client
- PSQL Client Reporting Engine

### Linux (Raspbian)

- PSQL Server
- PSQL Client

### Platforms Supported

This release has been successfully tested on the following operating systems, where appropriate in both their 32- and 64-bit editions:

- Windows 10
- Windows Server 2012
- Windows 8.1
- Windows Small Business Server 2011
- Windows Server 2008 R2
- Windows Foundation Server 2008 R2
- Windows 7
- Windows 2016, including Nano Server
- Windows IoT Core, x86 and arm32
- Raspbian

We recommend updating all operating systems to their latest service packs.

### Product Authorization

PSQL comes with a trial key for evaluation installations. These trial keys have limits of 20 users for Server, 5 users for Workgroup, and Medium size (20 GB) for Vx Server.

If you are installing this release of PSQL, you are required to authorize the product, either at the time of installation or after installation using the License Administrator utility.

### Authorizing on Windows

On Windows, product authorization is required for PSQL Server, Vx Server, and Workgroup. Product authorization can be performed during installation or using the license administrator utility after installation. Authorizing PSQL during installation requires an Internet connection. To authorize PSQL after installation, see the alternative authorization procedures outlined in *PSQL User's Guide*.

### Licensing on Raspbian and Windows IoT Core

On Raspbian and Windows IoT Core, for product authorization beyond the trial period, contact Actian.

### License Authorization Access Through Proxy Servers on Windows

We recommend that you use Windows Internet Explorer to configure proxy servers. If your proxy server was not configured using Internet Explorer, we recommend that you use Internet Explorer to configure it again. If you are unable to use Internet Explorer, then you can use the steps given here. These steps involve editing the Windows Registry.

**Caution** Editing the registry is an advanced procedure. If done improperly, the editing can cause your operating system not to start. If necessary, obtain the services of a qualified technician to do the editing. Actian Corporation does not accept responsibility for a damaged registry.

In a 64-bit Windows operating system, two keys in the Registry can store proxy server settings:

- HKEY\_LOCAL\_MACHINE\Software\Pervasive Software\ELS
- HKEY\_LOCAL\_MACHINE\Software\Wow6432Node\Pervasive Software\ELS

Depending on the PSQL edition (Server, Client, Vx Server, or Workgroup), the ELS proxy server settings can be created in either location. Licensing manager looks for its proxy server settings first in the HKEY\_LOCAL\_MACHINE\Software\Wow6432Node\Pervasive Software\ELS\ key. If it cannot locate them there, it looks in the HKEY\_LOCAL\_MACHINE\Software\Pervasive Software\ELS\ key.

If you are editing Registry settings for proxy servers, you first need to find the correct location.

- 1 Begin by looking for a Wow6432Node. If it exists, edit the proxy server Registry settings in the Pervasive Software\ELS\ key.
- 2 If you find no Wow6432Node, move to the Software directory and edit the proxy server Registry settings in the Pervasive Software\ELS\ key.
- 3 Modify the Windows Registry by adding the following to the Pervasive Software\ELS\ key:
  - String value proxy\_host
  - DWORD (32-bit) value proxy\_port
  - String value proxy\_userid
  - String value proxy\_passwd

**Note** PSQL requires only the proxy\_host and proxy\_port values. Depending on the configuration of your proxy server, you may also need to add proxy\_userid and proxy\_passwd.

- 4 Authorize PSQL using the License Administrator utility.

### License Authorization Access Through Proxy Server on Linux

For PSQL on Linux systems, to configure a proxy server to allow license authorization, you must edit the els.ini file. An exception is PSQL on Raspbian, which uses a different licensing model.

- 1 Locate els.ini. In a default installation, you can find it in /usr/local/psql/etc.
- 2 Manually edit els.ini to include the following:
  - proxy\_host

- proxy\_port
- proxy\_userid
- proxy\_passwd

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**Note** PSQL requires only proxy\_host and proxy\_port values. Depending on the configuration of your proxy server, you may also need to add proxy\_userid and proxy\_passwd.

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3 Authorize PSQL Server using the License Administrator CLI utility.

### **Client Compatibility**

On Windows and Linux, PSQL v13 Server and Workgroup support PSQL v12 Client or later, except for Raspbian, where only PSQL v13 Client is supported.

### **Compatibility with AuditMaster, Backup Agent, or DataExchange**

AuditMaster, Backup Agent, and DataExchange installed with earlier PSQL versions are not compatible with PSQL v13. When you are preparing to upgrade PSQL from an older version, you must first uninstall any existing installations of these products. Before removing them, we recommend that you capture their configuration settings to use in reinstalling and configuring new versions after upgrading.

## **New Features and Enhancements**

See *What's New in PSQL* for coverage of new and changed features in this release of PSQL. This document is included with the installed documentation and at the [Actian website](#) on the download page. The download version may be updated after the product release, so we recommend you refer to that version for the latest information.

## **Installing PSQL**

This topic discusses installation of the product. Before reading further, be familiar with [Product Authorization](#).

Installation files are available for download from the [Actian website](#).

You must remove any previously installed prerelease version, such as a beta or release candidate from any edition, before installing a final General Availability (GA) release of PSQL.

If you have not installed the product before or are upgrading for the first time and want to read about installation in detail, see *Getting Started with PSQL*, available on the installation media or the [Actian website](#).

Installation comes in two types:

- [Installing PSQL on Windows](#)
- [Installing PSQL on Linux \(Raspbian\)](#)

### **Installing PSQL on Windows**

To start the installation, run the installer application (Install\_\*.exe) for the PSQL engine or client type that you want to install and follow the instructions displayed by the installer.

The PSQL installer automatically detects the bit architecture of the operating system and installs the right components. You do not have to choose the 32- or 64-bit installer application.

The following table describes PSQL installers on Windows operating systems.

PSQL v13 Installation Package (.exe)	Description
Install_PSQL_Server_Engine	Installs 32-bit engine on 32-bit operating system. Installs 64-bit engine on 64-bit operating system. Installs all client components.
Install_PSQL_Vx_Server	Installs 32-bit engine on 32-bit operating system. Installs 64-bit engine on 64-bit operating system. Installs all client components.
Install_PSQL_Workgroup_Engine	Installs 32-bit engine on both 32- and 64-bit operating systems. Installs all client components.
Install_PSQL_Client	Installs 32-bit components on 32-bit operating system. Installs both 32- and 64-bit components on 64-bit system.
Install_PSQL_Reporting_Engine	Installs 64-bit engine on 64-bit operating system.

### Important Notes about Installing on Windows

The following information applies when you install PSQL on Windows systems.

Subject	Discussion
Installation prerequisites	For installation to succeed, Windows systems require the following updates: <ul style="list-style-type: none"> <li>Windows 7 or Server 2008 R2: Service Pack 1</li> <li>Windows 8.1 or Server 2012 R2: Windows Update 3118401</li> </ul>
Ecosystem product compatibility	AuditMaster, Backup Agent, and DataExchange installed with earlier PSQL versions are not compatible with PSQL v13 and must be uninstalled before upgrading to the new release. Before removing them, we recommend you capture their configuration settings to use in reinstalling and configuring their new versions after upgrading.

PSQL v11 and DataExchange v5.1 users upgrading to PSQL v13 and DataExchange v13	On PSQL v11 systems that also run DataExchange v5.1, a known issue in PSQL installers before 11.31 blocks attempts to upgrade from PSQL v11 to PSQL v13. Updating PSQL v11 to 11.31 before upgrading to PSQL v13 resolves the issue. DataExchange v5.1 is disabled on PSQL v13 until it is upgraded to DataExchange v13.
Windows firewall and client/server applications	PSQL installations add files to the firewall access list to enable client-server functionality. If the operating system security prompts you during installation of PSQL to unblock or allow communication with a PSQL component, select OK (yes).
Optionally disable restore points	The total installation time can usually be reduced on Windows 7 and Windows 2008 R2 and later systems by disabling Windows System Restore. Alternatively, the installation can be made to skip the creation of a system restore point without actually disabling Windows System Restore by setting the property "MSIFASTINSTALL=1" on the command line. For example:  Install_PSQL_<InstallType>.exe /s /v" /!*"v \\ "%temp%\PSQLv13_InstallLogFileName.log\" MSIFASTINSTALL=1"
Characters to avoid in installation path	Do not use the characters for pound (#), percent (%), or double backslash (\\, used to specify a UNC path) in installation paths for PSQL products if you plan to use PSQL Control Center or DDF Builder. These two utilities cannot run if the installation path contains these characters.
Modifying to run Workgroup Engine as an Application	If you install Workgroup Engine as service, then later decide you want to run it as an application, uninstall the engine, then reinstall it as an application.
Upgrading to run Client Cache Engine as a Service	If you install Client Cache Engine as an application, then later decide you want to run it as a service, uninstall the client, then reinstall it as a service.
Authorization and security	You must have Administrator rights to install PSQL.  Depending on the particular account, a local security policy called "Sharing and security model for local accounts" can adversely affect network logins. Be sure that this policy is set to Classic, which authenticates users as themselves.
PATH location	If you are installing a downloaded version of PSQL, do not place the setup files in a location that is listed in the Path environment variables. This can cause issues with file copying during installation. Place the setup files in a location such as the Windows temp directory.

## Installing Silently on Windows

To install PSQL silently, run the PSQL installation using the quiet command line option /qn, as shown in this example:

```
Install_PSQL<InstallType>.exe /s /v"/qn /!*"v \\ "%temp%\PSQLv13_InstallLogFileName.log\""
```

This example creates an installation log file in the Windows temp directory.

Optionally, to authorize PSQL after the installation has completed, use the License Administrator command line tool clilcadm.exe:

```
"<PSQL_install_path>\bin\clilcadm.exe" -a <key>
```

### Installing PSQL on Linux (Raspbian)

This release of PSQL has been tested on Raspbian. For information about installing or upgrading to PSQL on Linux, see *Getting Started with PSQL*.

### Installation Packages

PSQL offers full and client installations of TAR Linux packages. A full installation includes the necessary engine and client files, utilities, and the complete user documentation. A client installation provides only files needed to support a client, including utilities and documentation. The following table lists the installation packages.

PSQL Package	Contains	Package Names <sup>1</sup>
Server	Full installation of engine, client files, utilities, documentation.	PSQL-linux-yy.yy-zzz.zzz.armhf.tar.gz
Client	Client files, Utilities, documentation	PSQL-Client-linux-yy.yy-zzz.zzz.armhf.tar.gz
<sup>1</sup> yy.yy-zzz.zzz represents the digits in the file name for the release and build numbers of the product.		

### Installing Backup Agent

You can use Backup Agent v13 to upgrade from all previous versions of Backup Agent.

Backup Agent does not require a separate license when used with PSQL Server. It is included with PSQL Server for Windows. To use Backup Agent with PSQL Workgroup, you must have a separate license.

### Fixed Issues and Known Issues

The [Actian website](#) provides a history log for this release of PSQL that lists issues fixed and enhancements added since the previous release. You can also find a list of known issues.

### Usage Notes

This section discusses situations you might encounter using the product after installation.

## For Windows

Subject	Discussion
Restore point errors in PSQL install log	Failures pertaining to restore point can be ignored. Sometimes the Windows operating system fails to create a snapshot of the current disk (called a restore point) before allowing a new application installation. The restore point is not required. Uninstalling PSQL completely removes the PSQL product from the system.
No right-click option to run as administrator on Windows 7 and later releases	<p>Right-clicking an application utility in the Windows Start menu does not offer a Run As Administrator option. This is a limitation of Windows Installer 3.1.</p> <p>If you want to run a PSQL utility in an elevated mode, you have several options:</p> <ul style="list-style-type: none"> <li>• Run the utility from an elevated command prompt.</li> <li>• Create your own desktop shortcut to the utility executable.</li> <li>• Navigate to the utility executable with Windows Explorer.</li> </ul>

## Technical Support

You can obtain technical support from several online options at the [Actian website](#):

- Knowledge Base. Search hundreds of articles for answers and solutions others have found useful.
- Community Forums. Join a technical discussion or post a question to start a new one.
- PSQL Database Support. Open a service ticket, submit a defect, or purchase support.

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