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Actian PSQL v12

Windows 10 support, live migration, data defragmentation, Unicode, and more

Actian PSQL is one of the most reliable, low maintenance, high-performance database management systems in the world. The v12 Server, Vx Server, and Workgroup editions keep users up-to-date with new capabilities for boosting performance, supporting mobile cloud computing, expanding into global markets, and using high-speed reporting and data analytics. All of this while serving both traditional and virtual users and keeping the focus on zero DBA, ease of use, and high productivity.

Boost database performance

Busy databases can develop data fragmentation, slowing access and response times. The new self-service v12 Defragmenter lets you find fragmented files and fix them to maintain performance. Defragmenter works with the database online, so you can use it without disrupting operations or customer access to applications and data.

Live migration of any virtual machine

Live migration in Vx Server has been extended to PSQL v12 Server and Workgroup. Now all PSQL v12 virtual machine users can make more hardware and configuration changes without invalidating their license, delivering greater mobility in cloud and virtualized environments.

Store all languages in one database

PSQL v12 expands its Unicode support with SQL storage for wide character data. You can now store your data in any language in a single database, with multiple character sets in the same table, same row, or even the same column. The PSQL v12 ADO.NET, JDBC, and ODBC SDKs support the new NCHAR, NVARCHAR, and NLONGVARCHAR data types. See the new PSQL database globalization and SDK documentation on using this capability to meet application needs in a global business.

Key Benefits

Online data defragmenting to boost performance

Live migration on all editions

More globalization support

Fewer failed license validations

Data-only licensing for Vx Server

Simplified installation

Backward compatibility

Supported Platforms

Windows 10

Mac OS X

Windows Server 2012

Windows 7 and 8

Windows Server 2008 R2

Windows Vista

Windows Small Business Server 2011

Windows Foundation Server 2008 R2

Windows Small Business Server 2008

Red Hat Enterprise Linux 6.5 and 7

Citrix XenApp 7.7 and XenServer 6.5

Mac OS X Support

PSQL v12 offers developers support for an entirely new OS platform – Mac OS X. PSQL for OS X makes it possible to expand your customer base into Apple-only businesses.

PSQL v12 for OS X includes PSQL Server, PSQL Vx Server and PSQL Client with support for OS X 10.9 and 10.10.

SDK components included with PSQL for OS X are Btrieve, DTI, JCL, and JDBC.

Data-in-use licensing for Vx Server

Moving with industry standards, PSQL Vx Server 12 capacity now depends only on data in use, which you can monitor in PSQL Control Center (PCC). No more need to track users or concurrent sessions. Plus, after the initial connection to authorize its license, your server requires no further Internet access, which adds to your options for compliance with security policies. Licensing on data capacity is ideal for service bureaus, SaaS environments, and many cloud implementations.

Simplify PSQL installation

You no longer need to check for 64- or 32-bit systems when you install. The v12 smart installer automatically checks for you and installs the correct engine and all needed components.

ADO.NET upgrade

PSQL v12 upgrades the PSQL ADO.NET Data Providers to support code first and model first, enumerated data types, and code first migrations.

JDBC improvements

The PSQL JDBC driver now supports portions of the JDBC4 API. In particular, the PreparedStatement methods setNString and setNCharacterStream are now implemented.

Backward compatibility

Any application built for earlier PSQL versions will work with v12. No need to rewrite or recompile code, migrate data, or even uninstall existing software. Moving to v12 is seamless.

For additional information on these new features and more, see *PSQL v12 What's New* at the Actian website.

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