

Release Notes

Postgres Plus® Solution Pack

v9.1

Table of Contents

- I. Release Summary 1
- II. Solution Pack Component Release Notes 2
- III. PostgreSQL Release Notes 4
- IV. Solution Pack Documentation 4
- V. Platform Support and Downloads 6
- VI. System Requirements 7
- VII. How to Report Problems 7

I. Release Summary

The Postgres Plus Solution Pack provides high value tools that compliment the open source community version of PostgreSQL and make DBA's, developer's and system administrator's work easier for improving performance, monitoring enterprise scale installations, software maintenance, heterogeneous data integration / migration, availability, and security.

The Solution Pack components are distributed through StackBuilder, which runs after the installation of PostgreSQL is complete. When StackBuilder starts, expand the heading labeled: *Registration Required and Trial Products*. Then under the EnterpriseDB heading pick the Solution Pack components you wish to install. You may install one, all or any combination of the components that interest you with the exception of Postgres Enterprise Manager which requires 3 separate modules for a working installation.

The Solution Pack components include:

Postgres Enterprise Manager. The only solution available today that allows System Administrators to intelligently manage, monitor, and tune large numbers of Postgres database servers enterprise-wide from a single console. Note that Postgres Enterprise Manager also provides all the database management and administration functionality of pgAdmin.

Update Monitor. Eases your installation maintenance burden by notifying you when updates to any components are available and assists you in downloading and installing them.

xDB Replication Server. Provides easy data integration between PostgreSQL based servers and between Oracle and PostgreSQL allowing Oracle users to dramatically reduce their Oracle license fees.

SQL Profiler. The developer's friend for finding, troubleshooting, and optimizing slow running SQL fast! Provides on-demand or scheduled traces that can be sorted, filtered and saved by users and database. The SQL Profiler is also distributed with Postgres Enterprise Manager and included with Postgres Plus Advanced Server.

SQL/Protect. Protects your PostgreSQL and Advanced Server data against multiple SQL virus injection vectors by automatically learning safe data access patterns and collecting attack data.

Migration Toolkit. Fast, flexible and customized database migration from Oracle, SQL Server, Sybase, and MySQL to PostgreSQL and Postgres Plus Advanced Server.

PL/Secure. Protects your server side database code and intellectual property from prying eyes for both internal and packaged applications with no extra work for developers.

For more information on the above components please visit the Solution Pack home page at:

<http://www.enterprisedb.com/postgres-plus-solution-pack>

Note: all of the above components are also included in a database subscription to Postgres Plus Advanced Server.

II. Solution Pack Component Release Notes

A. *Postgres Enterprise Manager*

See: <http://www.enterprisedb.com/rn-postgres-enterprise-manager-release-notes>

B. *Update Monitor*

1. The popup notification from Update Monitor will only be displayed if Growl (<http://growl.info/>) is installed when running on Mac OS X. However, the system tray icon will be displayed as normal.

C. *xDB Replication Server*

1. Replication is available on a wide range of platforms that previously were not supported (e.g. Mac OS, Solaris).
2. Replication from Microsoft SQL Server (v2005 and v2008) to PostgreSQL (Standard Server) and Postgres Plus Advanced Server is now supported (17592/17629).
3. The replication source-target product combinations are represented in the table below:

Source \ Target	Oracle	Microsoft SQL Server	Postgres Plus Standard Server	Postgres Plus Advanced Server (Oracle mode)	Postgres Plus Advanced Server (PostgreSQL mode)
Oracle	No	No	Yes	Yes	Yes
Microsoft SQL Server	No	No	Yes	Yes	Yes
Postgres Plus Standard Server	No	No	Yes	Yes	Yes
Postgres Plus Advanced Server (Oracle mode)	Yes	Yes	No	Yes	No
Postgres Plus Advanced Server (PostgreSQL mode)	No	No	Yes	Yes	Yes

4. The Oracle JDBC driver does not correctly transforms `TIMESTAMP WITH TIME ZONE` on a system with DST applicable and running in EST/EDT time zone. xDB has been enhanced to bypass Oracle's JDBC driver for a `TIMESTAMP WITH TIME ZONE` value and make use of Oracle `TO_TIMESTAMP_TZ` function. (18345)
5. Enhanced xDB to notify user in case an invalid option is specified in `xdb_pubserver.conf` or `xdb_subserver.conf` files. (16880)
6. Fixed an issue with replication of domains when publication database is Postgres Plus Advanced Server (PG mode) and subscription database is Postgres Plus Standard Server. (18470)
7. xDB has been enhanced to be aware of PostgreSQL replication roles so that it can be used in a cascading replication model. (17931)

D. SQL Profiler

1. Start Time and End Time are the same in SQL Profiler (19404)
2. Duration unit is unclear in SQL Profiler (19403)
3. When using trace filtering in the SQL Profiler, some results were appearing that did not meet the filter criteria. This has been fixed. (19965)
4. When searching for keywords in a SQL Profiler trace, the program might crash. This has been fixed. (19981)

E. SQL Protect

No known issues.

F. Migration Toolkit

1. "Extra data after last expected column" error is observed in some MySQL to Advanced Server migrations. (17390)

G. PL/Secure

No known issues.

III. PostgreSQL Release Notes

The PostgreSQL Release Notes are available here: <http://www.postgresql.org/docs/9.1/static/release.html>

IV. Solution Pack Documentation

A. PostgreSQL

The PostgreSQL installation footprint includes the PostgreSQL documentation. This documentation is also available online at: <http://www.enterprisedb.com/learning/documentation>

B. Postgres Enterprise Manager

1. Installation Guide

The installation Guide provides step-by-step guided instructions to installing and configuring each component including the Agents to monitor each host, the Enterprise Manager Server to store monitored data, the GUI Client to administer and view monitoring data, and the SQL Profiler for finding and tuning your slower running SQL statements.

The Postgres Enterprise Manager Installation Guide is available online and downloadable PDF format at: <http://www.enterprisedb.com/documentation/english>

2. Getting Started Guide

The Getting Started Guide provides an introduction to Postgres Enterprise Manager and is written to acquaint you with the basics of operating the agents and server, performance monitoring and management, capacity planning, SQL profiling and analysis, and best practices to help you be successful in your database management activities. While not a comprehensive resource that completely explains all the features and functionality of Postgres Enterprise Manager, it does serve as an aid to help you evaluate the tool and get you up to speed with the basics of how to use the product quickly. For detailed information on product features, please use the Postgres Enterprise Manager's offline documentation available through the Client GUI.

The Postgres Enterprise Manager Getting Started Guide is available online and downloadable PDF format at: <http://www.enterprisedb.com/documentation/english>

3. Online Documentation

The bulk of Enterprise Manager's documentation is conveniently installed on the Client host machine and provided as HTML based context sensitive help from within the Client graphical user interface. Any time you need help with a particular feature or task in the Enterprise Manager Client you can get detailed help documentation by accessing the Help menu.

4. Pop-up Help

To assist users in understanding what various graphs and charts display on dashboards, a popup help bubble appears when the mouse cursor passes over areas of your screen.

5. Postgres Expert

Postgres Expert is a user selectable task in the Enterprise Manager Client that checks various characteristics of your target databases and reports back a description of what it reviewed along with recommendations for changes based on best practices collected and written by database experts at EnterpriseDB. The Postgres Expert component is accessed by choosing the Management->Postgres Expert menu option and following the wizard prompts.

C. Update Monitor

Update Monitor is an intelligent system tray utility that keeps track of which StackBuilder catalog components are installed on your computer. Once a day it checks with the StackBuilder repository for newer versions of your installed components. If any newer versions are found, Update Monitor will raise a desktop dialog bubble to inform you that updates are available and change its icon display in the system tray.

By clicking Update Monitor you can start StackBuilder and download the newer components. Simply select the system tray icon menu. Once StackBuilder starts, it will gather and display the list of available updates. At that point you may select which, if any, updates you want StackBuilder to download and install.

Update Monitor also has an Alert system that will notify you of new modules and software added to the StackBuilder catalog as well as possible security alerts. Using the system tray icon menu, you can then read about them, and download and install them.

Update Monitor reduces the time System Admins, DBAs and Developers must spend tracking, acquiring, and applying updates to their enterprise database components.

D. xDB Replication Server

The online xDB Replication Server documentation is available at:

<http://www.enterprisedb.com/documentation/english>

E. SQL Profiler

For information on using the SQL Profiler, refer to the Postgres Enterprise Manager Getting Started Guide above.

F. SQL/Protect

The online SQL/Protect documentation is available at:

<http://www.enterprisedb.com/documentation/english>

G. Migration Toolkit

The online Migration Toolkit documentation is available at:

<http://www.enterprisedb.com/documentation/english>

H. PL/Secure for PL/pgSQL

The online PL/Secure documentation is available at:

<http://www.enterprisedb.com/documentation/english>

I. PDF Documentation

Some installable modules have PDF documentation available. These include the xDB Replication Server, PL/Secure, and SQL/Protect. To access the PDF documentation, visit:

<http://www.enterprisedb.com/learning/documentation>

V. Platform Support and Downloads

A. Downloads

You can download EnterpriseDB distributions of PostgreSQL (including StackBuilder with the Solution Pack) and Postgres Plus Advanced Server here:

PostgreSQL and Solution Pack:

<http://www.enterprisedb.com/download-postgres-plus-solution-pack>

Postgres Plus Advanced Server:

<http://www.enterprisedb.com/download-postgres-plus-advanced-server>

B. Production Deployment Platforms

The Solution Pack components are supported on the same platforms supported by the EnterpriseDB distribution of PostgreSQL and Postgres Plus Advanced Server. The supported platforms and their End of Life schedules are available at:

PostgreSQL:

<http://www.enterprisedb.com/products-services-training/products-overview/postgresql-overview/product-lifecycle-postgresql>

Postgres Plus Advanced Server:

<http://www.enterprisedb.com/products-services-training/products-overview/postgres-plus-advanced-server/product-lifecycle-postgre>

For inquiries regarding the support of your operating system, contact us by:

Email: sales-us@enterprisedb.com or sales-intl@enterprisedb.com

Call: +1-732-331-1315 or 1-877-377-4352

Visit: https://www.enterprisedb.com/company/contact_us.do

VI. System Requirements

On some systems, PostgreSQL can operate with a minimum configuration as follows:

- 600 MHz processor
- 512 MB of RAM
- 512 MB of HDD plus space for your data

These specifications may, however, vary depending on the operating system/version in use and what additional applications may be running on the machine.

VII. How to Report Problems

To report any issues you are experiencing, please contact EnterpriseDB's technical support staff:

- Email: support@enterprisedb.com
- Call: +1-732-331-1320 or 1-800-235-5891 (US Only)
- Subscription customers can submit a support ticket at:
<https://www.enterprisedb.com/myenterprisedb.do>

Please note that issues reported by Software Subscription customers take top priority over all other inquiries. You may also discuss any issues at: <http://forums.enterprisedb.com/>