



Release Notes

Version 8

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0 Release Notes

The Postgres Enterprise Manager (PEM) documentation version 8 describes the latest version of PEM 8.x.x including minor releases and patches. The release notes in this section provide information on what was new in each 8.x.x release. For major new functionality that was introduced in a minor or patch release, there are also indicators within the content about what release introduced the feature.

Version	Release Date	Upstream Merges
8.1.0	6/1/2021	pgAdmin 5.1 , 5.2 , and 5.3
8.0.1	3/1/2021	
8.0.0	6/1/2021	

1 Version 8.1.0

New features, enhancements, bug fixes, and other changes in PEM 8.1.0 include:

Highlights	Type
BDR (Bi-Directional Replication) dashboards and probes to monitor status and activities for Admin, Nodes, and Groups. For example, if replication starts falling behind, the administrator will be alerted and can take proactive action.	New Feature

Highlights	Type
Kerberos security and authentication for PEM Web Client through GSSAPI or Active Directory Domain Services. Prevent password interception and prove identity required by highly regulated industries.	New Feature
Entity-Relationship Diagram (ERD) design tool that graphically represents database tables, columns, and interrelationships. Conceptualize database design before building or reverse engineering.	New Feature
Logical replication support to manage publications and subscriptions for core logical replication in Postgres. Send incremental changes across different database versions or platforms.	New Feature
Quick Search option to locate features and relevant help articles with a guided user experience. Type three characters to start displaying matching possibilities.	New Feature
EDB Postgres Extended (used by BDR Enterprise) certified for monitoring and administration.	Enhancement
Configuration parameters for Audit Manager, Tuning Wizard, and Log Manager no longer require a restart of the database.	Enhancement
Manage the privileges for a package node with Grant Wizard.	Enhancement
Maximize/restore the window for the properties dialog.	Enhancement
While examining the group role, display the login roles.	Enhancement
Set automatic width of columns by content size in the data output window.	Enhancement
Process the alert if there is an error while processing alert detailed information. [Support Ticket # 1201865]	Bug Fix
Remove the obsolete data of a deleted database from pemhistory on the next purge. [Support Ticket # 1055978]	Bug Fix

Highlights	Type
Flapping does not end when at least a one-time alert triggered during the flapping period. [Support Ticket # 1165155]	Bug Fix
Getting 404 for REST API of agent probe history. [Support Ticket # 1219795]	Bug Fix
Fixed the "A user expires in N days" alert template code which was failing on Postgres. [Support ticket # 1235289]	Bug Fix
Added a check for sslutils for version 1.3 in the configure script. [Support ticket # 1284690]	Bug Fix
Corrected OID for binding variable "downObjects" for AgentsDown and ServersDown alerts. [Support Ticket # 1300113]	Bug Fix
Read the log configuration data from the system probe tables for the selected servers in the Log Manager.	Bug Fix
Skip the PEM Server registration when installing using only a web server option to avoid duplicate entries in the server listing.	Bug Fix
Corrections from merges with pgAdmin 5.1 , 5.2 , and 5.3	Bug Fix

2 Version 8.0.1

New features, enhancements, bug fixes, and other changes in PEM 8.0.1 include:

Highlight	Type
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Highlight	Type
Allowing the dash (-) character in the superuser name that is provided during configuration.	Enhancement
Gracefully closing the operating system resources during batch probe and command execution to avoid errors.	Enhancement
Improved support for unicode string handling in pemAgent.	Enhancement
Fixed a regression restoring BART backup when agent is not bound with the BART server.	Enhancement
In addition to the above-listed items, a few other minor bugs have also been fixed.	Enhancement
Option to hide or unhide the Dashboard, Statistics, Dependents, and Dependencies tabs.	Enhancement
Dashboard refresh not displaying BART backups. [Support Ticket # 1046037]	Bug Fix
Allow superuser name containing "-" provided during configuring configure-pem-server.sh script. [Support Ticket # 1055435]	Bug Fix
Close the operating system resources properly during batch probe and command execution to avoid 'too many open files' error. [Support Ticket # 1048713]	Bug Fix
Bundle pgaevent.dll in agent windows installer to suppress event message log error. [Support Ticket # 1106021]	Bug Fix
Fixed the Unicode string handling support in pemAgent. [Support Ticket # 1153153]	Bug Fix
Fixed the issue where BART restore was failing when the agent was not bound with the BART server. [Support Ticket # 1129454]	Bug Fix

Highlight	Type
Statistics, Dependencies, and Dependants tabs are now closable. Users can add them back using the 'Add panel' option.	Bug Fix
Fixed an issue where pressing the back button will show another instance of the main page inside of the Query Tool tab.	Bug Fix
Added 'Count Rows' option to the partition sub tables.	Bug Fix
Improve the explain plan details by showing popup instead of tooltip on clicking of the specified node.	Bug Fix
Fixed an issue where the focus is not properly set on the filter text editor after closing the error dialog.	Bug Fix
Ensure that username should be visible in the 'Connect to Server' popup when service and user name are both specified.	Bug Fix
Ensure that the 'template1' database should not be visible after pg_upgrade.	Bug Fix
Fixed a false error which is shown while adding a new foreign key from the table dialog when a foreign key already exists and Auto FK Index set to true.	Bug Fix
Fixed an issue where the Save button is enabled by default in Macro.	Bug Fix
Remove the extra line after the Manage Macros menu while clearing all macros.	Bug Fix
Ensure that 'Clear All Rows' should not work if there is no existing macro available and the user does not specify any value.	Bug Fix
Fixed an issue where the server is disconnected with an error message displayed if the user creates Macro with invalid SQL.	Bug Fix
Ensure that the macro query result should be downloaded properly.	Bug Fix

Highlight	Type
Added appropriate help message and a placeholder for letting users know about the account password expiry for Login/Group Role.	Bug Fix
Ensure that dirty indicator (*) should not be visible when renaming the tabs.	Bug Fix
Fixed an issue where the escape character is shown when the server/database name has some special characters.	Bug Fix
Updated Flask-BabelEx to the latest.	Bug Fix
Fixed an issue where schema diff doesn't show the result of compare if source schema has tables with RLS.	Bug Fix
Fixed an issue where an illegal argument is showing for trigger SQL when a trigger is created for View.	Bug Fix
Fixed autocomplete issue where it is not showing any suggestions if the schema name contains escape characters.	Bug Fix
Fixed an issue where the state of the Save File icon does not match the dirty editor indicator.	Bug Fix
Fixed an issue where the dirty indicator stays active even if all changes were undone.	Bug Fix
Ensure that the rename panel should be disabled when the SQL file opened in the query tool.	Bug Fix
Fixed extra parentheses issue around joins for Views.	Bug Fix
Fixed accessibility issues in schema diff module.	Bug Fix
Fixed an issue on refreshing files in Query Tool.	Bug Fix
Fixed accessibility issues in various dialogs.	Bug Fix
Fixed TypeError exception in schema diff when selected any identical object.	Bug Fix
Fixed an issue where the dependencies tab showing multiple owners for the objects having shared dependencies.	Bug Fix

Highlight	Type
Fixed an issue of deleting records when the user tries to delete multiple records.	Bug Fix
Ensure that the user should be able to specify an older date for the account expiration of the role/user.	Bug Fix
Fixed an issue where the database list in the new connection window is not visible.	Bug Fix
Added informative message when there is no difference found for schema diff.	Bug Fix
Fixed an issue where sequences are not created.	Bug Fix
Ensure that verbose logs should be visible for Utility (Backup, Maintenance) jobs.	Bug Fix
Ensure that the current value of the sequence should be ignored while comparing using schema diff.	Bug Fix
Fixed an issue where strikethrough is not visible for rows selected for deletion after scrolling.	Bug Fix
Fixed an issue where the user was unable to change the background color for a server.	Bug Fix
Fixed an issue where utility (Backup, Maintenance) jobs are failing when the log level is set to DEBUG.	Bug Fix

3 Version 8.0.0

New features, enhancements, bug fixes, and other changes in PEM 8.0.0 include:

Highlights	Type
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Highlights	Type
Webhooks: You can now use PEM to send event based notifications to webhook endpoints like third party systems or partner applications.	New Feature
Performance Diagnostics: Use the Performance Diagnostic tool with PostgreSQL 10 or later versions after installing 'edb_wait_states' plugin.	Enhancement
PEM Backend Database: The PEM Server (backend database) supports only PostgreSQL or EDB Postgres Advanced Server versions 11 or later.	Change
Enhanced Alerting: You can now replace alert placeholders inside the script and also can view more informative and contextual alert details.	Enhancement
Enhanced BART Integration: Configure 'bart_socket_name' and also parameters such as '--checksum-algorithm' and '--disable-checksum' through PEM.	Enhancement
Security Best Practices: The <i>PEM Security Best Practices</i> guide is available from our edb-docs website. It will help you to setup PEM in a secure way to minimize the risk of vulnerabilities.	Enhancement
You can use the Macros feature in the Query tool.	Enhancement
You can use the trigger function under the respective trigger node.	Enhancement
You can download the utility files at the client side using Storage Manager.	Enhancement
You can use the open Query tool tab to change the database connection.	Enhancement
You can rename the Query tool and Debugger tab.	Enhancement
You can ignore the owner while comparing the objects through Schema diff tool.	Enhancement

Highlights	Type
Fixed an issue where connections were not getting released when the user disconnects the database server. [Support Ticket # 969833]	Bug Fix
Do not include detailed alert information while sending SNMP traps. [Support Ticket # 1069206, # 1115277]	Bug Fix
Fixed the issue of making two database connections for failed login attempts which result in locking the user profile. [Support Ticket # 1103288]	Bug Fix
Documented while configuring the PEM Server, certificates must be present in the data directory of the backend database server in the installation guides. [Support Ticket # 729238]	Bug Fix
Package deployment and streaming replication deprecation warning is added in Upgrade and Migration Guide. [Support Ticket # 1021617]	Bug Fix
Ensure that some fields should be disabled for the trigger in edit mode.	Bug Fix
Added a useful message when the explain plan is not used and empty.	Bug Fix
Fixed an issue where file extension is stripped on renaming a file.	Bug Fix
Ensure that the 'ctrl + a' shortcut does not move the cursor in the SQL Editor.	Bug Fix
Fixed an issue where the validation error message is shown twice.	Bug Fix
Fixed an issue where schema diff is showing identical tables as different due to default vacuum settings.	Bug Fix
Fixed reverse engineering SQL where parenthesis is not properly arranged for View/MView definition.	Bug Fix
Fixed 'can't execute an empty query' message if the user changes the option of Auto FK Index.	Bug Fix

Highlights	Type
Fixed an issue where the server is not able to connect using the service.	Bug Fix
Ensure that query history should be listed by date/time in descending order.	Bug Fix
Fixed an issue where the 'PARALLEL UNSAFE' option is missing from reverse engineering SQL of function/procedure.	Bug Fix
Fixed an issue where 'Rows X' column values were not visible properly for Explain Analyze in Dark theme.	Bug Fix
Ensure that the user should be able to change the start value of the existing sequence.	Bug Fix
Ensure that search object functionality works with case insensitive strings.	Bug Fix
Fixed invalid literal issue when fetching dependencies for Materialized View.	Bug Fix
Fixed an issue where the user is unable to change the macro name.	Bug Fix
Fixed an issue where the suffix for Toast table size is not visible in the Statistics tab.	Bug Fix
Ensure that macros should be run on the older version of Safari and Chrome.	Bug Fix
Fixed an issue where a mismatch in the value of 'Estimated row' for functions.	Bug Fix
Fixed an issue where non-closable tabs are getting closed.	Bug Fix
Ensure that folder rename should work properly in Storage Manager.	Bug Fix
Fixed an issue where a long file name is not visible on the process watcher dialog.	Bug Fix
Fixed an issue where connection to the server is on wait state if a different user is provided.	Bug Fix

Highlights	Type
Ensure that Grant Wizard should include foreign tables.	Bug Fix
Fixed an issue where the debugger's custom tab title did not apply when opened in the new browser tab.	Bug Fix
Fixed an issue where the dynamic tab title has not applied the first time for the debugger panel.	Bug Fix
Added the appropriate server icon based on the server type in the new connection dialog.	Bug Fix
Fixed an issue where the process watcher dialog throws an error for the database server which is already removed.	Bug Fix