



EDB

Postgres Enterprise Manager

Release 9.2.2

EnterpriseDB Corporation

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Welcome to Postgres Enterprise Manager (PEM). PEM consists of components that provide the management and analytical functionality for your EDB Postgres Advanced Server or PostgreSQL database. PEM is based on the Open Source pgAdmin 4 project.

PEM is a comprehensive database design and management system. PEM is designed to meet the needs of both novice and experienced Postgres users alike, providing a powerful graphical interface that simplifies the creation, maintenance, and use of database objects.

POSTGRES COMPATIBILITY

Supported versions of Postgres for PEM 9.x:

	Monitored Instance	Backend Instance
EDB Postgres Advanced Server (EPAS)	11, 12, 13, 14, 15	11, 12, 13, 14, 15
PostgreSQL (PG)	11, 12, 13, 14, 15	11, 12, 13, 14, 15
EDB Postgres Extended Server (PGE)	11, 12, 13, 14, 15	Note ^[^1]

RELEASE NOTES

The Postgres Enterprise Manager (PEM) documentation describes the latest version of PEM 9 including minor releases and patches. The release notes in this section provide information on what was new in each release. For new functionality introduced after 8.0.0 in a minor or patch release, there are also indicators within the content about what release introduced the feature.

Version	Release Date	Upstream Merges	Accessibility Conformance
<i>Version 9.2.2</i>	14 Jul 2023	NA	Conformance Report
<i>Version 9.2.1</i>	03 Jul 2023	NA	Conformance Report
<i>Version 9.2.0</i>	24 May 2023	NA	Conformance Report
<i>Version 9.1.1</i>	31 Mar 2023	NA	Conformance Report
<i>Version 9.1.0</i>	14 Feb 2023	NA	Conformance Report
<i>Version 9.0.0</i>	9 Dec 2022	NA	Conformance Report

Often only select issues are included in the upstream merges. The specific issues included in the merges are listed in the release note topics.

2.1 Version 9.2.2

New features, enhancements, bug fixes, and other changes in PEM 9.2.2 include:

Type	Description
Security fix	This is a security fix for CVE-2023-2650 and is recommended for all the Windows users. This security fix includes updates for the Apache HTTPD bundled with the Windows installer of PEM. This patch affects the PEM server only, no need to update PEM agents.

2.2 Version 9.2.1

New features, enhancements, bug fixes, and other changes in PEM 9.2.1 include:

Type	Description
Security fix	Added support for Flask 2.x. This is a security fix for CVE-2023-30861 and is recommended for all users. This patch affects the PEM server only, no need to update PEM agents.

2.3 Version 9.2.0

New features, enhancements, bug fixes, and other changes in PEM 9.2.0 include:

Type	Description
Enhancement	The default sample end time for performance diagnostics is now Now rather than the time the window was first opened. The data now updates when you select Run .
Bug fix	Fixed the Replication Time Lag graph status issue on the Streaming Analysis dashboard. This fix displays the status as stopped if the server is down/offline. [Support ticket: #91220]
Bug fix	Removed the agent status from Failover Manager dashboard under <i>efm_cluster_node_status</i> . [Support ticket: #1228607]
Bug fix	Fixed an <i>unknown error</i> issue while updating/creating the server from the PEM web client.
Bug fix	Fixed an issue to return a valid message for invalid parameters and removed unwanted parameters in PUT server REST API.
Bug fix	Updated cryptography package to the secured version.
Bug fix	Updated webpack(NPM) package to the secured version.
Bug fix	Fixed an error caused by an increase/decrease in the number of parameters when changing the alert templates.
Bug fix	Fixed the <i>Static object initialization fiasco</i> issue caused while initializing the BAR-MAN singleton object at the startup.
Bug fix	Fixed the <i>Login Group/Roles 500 error: UNION types char and text cannot be matched</i> error. This error was appearing while trying to open the dependents tab for any role with PostgreSQL or EDB Postgres Advanced Server 15 as the backend server.
Bug fix	Provided helpful message instead of default Python error if a token is invalid. [Support ticket: #89276]
Bug fix	Fixed extension name warning while creating a probe. This warning was appearing even after providing a valid extension name.
Bug fix	Fixed the error in the <i>-config-file</i> switch while trying to register the Barman server in PEM using the command line interface.
Bug fix	Fixed the missing favicon icon for the help docs and API link.
Bug fix	Fixed the warning message while deleting a folder in the Manage Template section of Capacity Manager.
Bug fix	Fixed the tuning wizard report whereby the number of servers selected didn't match the servers displayed in the GoTo list.
Bug fix	Added client-side validation for alert creation for parameters in alert templates.
Bug fix	Added validations for date/time empty entries in <i>Log Analysis Expert</i> .
Bug fix	Fixed an issue whereby the chart didn't update after the period was changed from Historicaldaysandthreshold to Starttimeandendtime .
Bug fix	Added validations for empty log rotation entries in Audit Manager.
Bug fix	Added the missing extension-level metrics while creating chart.
Bug fix	Removed the parameter validation for the system alerts.

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Type	Description
Bug fix	Fixed an issue whereby PEM was overwriting the user-supplied certificate and key during agent registration. [Support ticket: #90841]

2.4 Version 9.1.1

New features, enhancements, bug fixes, and other changes in PEM 9.1.0 include:

Type	Description
Bug fix	Fixed an issue whereby an error would occur when registering a PEM agent on Ubuntu 22.04.

2.5 Version 9.1.0

New features, enhancements, bug fixes, and other changes in PEM 9.1.0 include:

Type	Description
Enhancement	Added support for EDB Advanced Server 15 and EDB Postgres Distributed 5.
Enhancement	Added the ability to copy probes and alerts to all servers in a group without having to select them individually.
Bug Fix	Fixed an issue whereby alert notifications were sent for Low or Medium alerts when the user disabled the option to send them. [Support Ticket #87664]
Bug Fix	Fixed an issue whereby webhooks weren't called if there was an inactive endpoint in the spool. [Support Ticket #87365]
Other	The PGD Worker Errors probe and associated alert template and dashboard chart were removed as they produced incorrect data. They will be replaced with a new probe in a future release.

2.6 Version 9.0.0

New features, enhancements, bug fixes, and other changes in PEM 9.0.0 include:

Type	Description	ID
Enhancement	Improved layout of the user interface and updated with new branding.	PEM-4472
Enhancement	Allow users to specify agent-id and existing SSL certificate and key files from the command line during agent registration to improve the user experience and use of the trusted certificates.[Support Ticket #1022060]	PEM-3546
Enhancement	Added a REST API to create a server group. [Support Ticket #78430]	PEM-4403

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Type	Description	ID
Enhancement	Revalidated, corrected and clarified the OpenAPI documentation for the REST API. [Support Ticket #84746]	PEM-4453
Enhancement	Allow use of Performance Diagnostics without a superuser account. [Support Ticket #82569]	PEM-4515
Enhancement	Added support for the PostgreSQL 15 as the backend database server for Postgres Enterprise Manager.	PEM-4558
Enhancement	Generated the SQLProfiler plugin for PostgreSQL 15.	PEM-4599
Bug Fix	Fixed an issue whereby <i>number of lagging replicas</i> metrics would return incorrect results in certain topologies.	PEM-4631
Bug Fix	Fixed an issue whereby only 50 sessions could be viewed in Dashboard > Server Activity. [Support Ticket #82563]	PEM-4492
Bug Fix	Fixed the Log Manager issue where it was creating a server reload job instead of server restart when logging_collector is ON.	PEM-4593

PLATFORM COMPATIBILITY

For information about the platforms and versions supported by PEM, see
[Platform compatibility](#) .

Note: Postgres Enterprise Manager 8.3 and later is supported on SLES.

HARDWARE REQUIREMENTS FOR INSTALLING THE PEM SERVER ON LINUX

For optimum performance when monitoring servers and rendering dashboards, we recommend installing PEM on a system with at least:

- 4 CPU cores
- 8 GB of RAM
- 100 GB of storage

Additional disk space is required for data storage. Resource use varies based on the probes that are defined and enabled and the activity level on the monitored databases. Monitoring server resources as you use PEM lets you know when you need to expand your initial system configuration.