

# Fujitsu Enterprise Postgres 16 SP1

## Program Updates

Linux

J2UL-2947-02PEZ0(00)  
September 2024

# Preface

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This document explains the updates that have been fixed at this version.

The contents of this document are subject to change without notice.

## Notations

The status for each edition is shown in the following table.

P number	Update summary
Number that uniquely identifies the update	Summary of update details

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## Issue date and version

Edition 2.0: September 2024
Edition 1.0: June 2024

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# Chapter 1 Program Updates

This version incorporates the following fixes:

- PostgreSQL 16
- PostgreSQL 16.1
- PostgreSQL 16.2
- PostgreSQL 16.3
- PostgreSQL 16.4



See

Refer to the PostgreSQL Global Development Group website for information on the updates implemented in the following releases:

**[PostgreSQL 16]**

<https://www.postgresql.org/docs/16/release-16.html>

**[PostgreSQL 16.1]**

<https://www.postgresql.org/docs/16/release-16-1.html>

**[PostgreSQL 16.2]**

<https://www.postgresql.org/docs/16/release-16-2.html>

**[PostgreSQL 16.3]**

<https://www.postgresql.org/docs/16/release-16-3.html>

**[PostgreSQL 16.4]**

<https://www.postgresql.org/docs/16/release-16-4.html>

In addition, issues that occurred in previous versions are also fixed.

Refer to the following for details of the program fixes included in this version and level.

- [Fujitsu Enterprise Postgres 16 SP1 Program Updates](#)
- [Fujitsu Enterprise Postgres 16 Program Updates](#)

## Fujitsu Enterprise Postgres 16 SP1 Program Updates

P number	Update summary
PH16812	When using the pgx_rcvall command to perform recovery using a backup obtained by the pgx_dmpall command, the pgx_rcvall command may not recover.
PH20430	An error may be output when you execute an SQL statement that uses the outer join operator (+).
PH23887	If multiple clients attempt to connect to the DB at the same time, the connection attempt may fail with a "can only drop stats once" error.
PH23954	In some streaming replication environments it is possible to login to a standby server more than the maximum number of consecutive failed attempts.
PH24014	Update Fujitsu Enterprise Postgres with bug fixes absorbed in PostgreSQL 16.3 or 16.4.
PH24015	Fix failures to login behavior in WebAdmin.
PH24017	Reflects defect fixes absorbed in Pgpool-II 4.5.1, 4.5.2 into Fujitsu Enterprise Postgres.
PH24020	Update Fujitsu Enterprise Postgres with bug fixes absorbed in pgBackRest v2.51.
PH24021	Reflects bug fixes absorbed in psqlodbc-16.00.0001 to psqlodbc-16.00.0005.
PH24023	Reflects defect fixes absorbed by PostgreSQL JDBC Driver 42.7.3 to Fujitsu Enterprise Postgres Client.
PH24025	Propagate bug fixes absorbed by ldap2pg 6.1 to Fujitsu Enterprise Postgres.
PH24026	There was a problem that communication between the browser and WebAdmin could not be encrypted using TLS.
PH24027	Reflects defect fixes absorbed by Apache Tomcat 9.0.93 to WebAdmin in Fujitsu Enterprise Postgres.
PH24035	Replace OpenSSL included with this product with 3.0.14.
PH24036	Propagate bug fixes absorbed in pg_bigm version 1.2 (released 2024 06-06) into Fujitsu Enterprise Postgres.

# Fujitsu Enterprise Postgres 16 Program Updates

P number	Update summary
PH14042	If the database server goes down, the core file might not be printed.
PH15323	Mirroring Controller may output an exception message if the locale of the message is not Japanese or English.
PH16376	If you precompile an application that uses embedded SQL in the COBOL language, including INCLUDE statements, precompilation may fail.
PH16595	If the password for the instance administrator user contains characters such as ¥ or #, the Mirroring Controller setup using WebAdmin fails.
PH17589	An error occurred in the permission value for the backup_destination directory.
PH18672	If you execute a SELECT statement on a table for which you are creating a secrecy policy, the results might not be secrecy.
PH19942	The pgx_loader command might terminate abnormally.
PH20174	pg_statsinfo might not be able to get statistics about autovacuum.
PH23041	When you execute an EXPLAIN statement, the execution of the EXPLAIN statement may fail or the database instance may go down.
PH23197	When you execute an EXPLAIN statement, the execution of the EXPLAIN statement may fail or the database instance may go down.
PH23199	If the primary Mirroring Controller goes down during the switchover process, the standby may not be able to promote.
PH23286	When a failure is detected on a standby server, the predisconnect command is not executed and the standby server is not stopped even if shutdown_detached_synchronous_standby is on.
PH23288	It may take 65 seconds for automatic switching to start after an error is detected by Mirroring Controller.
PH23295	If the disk becomes unresponsive, error detection is not performed and automatic switching/disconnection is not performed.
PH23508	If the database is under heavy load, the Mirroring Controller may fail to switch and the update SQL is unresponsive.
PH23520	Provides the ability to switch to standby and remain operational if the primary fails and replication is disconnected after a management network failure.
PH23544	When running SQL against a table with fixed statistics by pg_dbms_stats, the execution plan might not be fix.
PH23555	Connection for applications that use libpq may leak memory.
PH23563	If the Mirroring Controller stops, the arbitrage process may terminate abnormally and stop.
PH23587	When using Mirroring Controller, the pre-disconnect command is not executed under certain circumstances.
PH23619	If you are using the audit logging feature and you output audit logs frequently from a large number of database sessions, transaction processing performance may degrade.
PH23725	It was not mentioned in the documentation that it was now possible to create tests using TAP tests when developing EXTENSION.
PH23790	The value displayed on the screen for the setting item "Number of digits in a floating value" for an instance created by WebAdmin may differ from the value of the corresponding parameter in postgresql.conf.
PH23808	The pgx_loader command might terminate abnormally.

<b>P number</b>	<b>Update summary</b>
PH23830	The security bug fixes absorbed in PostgreSQL 16.3 will be reflected in Fujitsu Enterprise Postgres.