

Fujitsu Enterprise Postgres 15 on IBM LinuxONE

Program Updates

**15
SP2**

Linux

Preface

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 3.0: January 2024 Edition 2.0: October 2023 Edition 1.0: April 2023

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Chapter 1 Program Updates

This version incorporates the following fixes:

- PostgreSQL 15
- PostgreSQL 15.1
- PostgreSQL 15.2
- PostgreSQL 15.3
- PostgreSQL 15.4
- PostgreSQL 15.5



See

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

[PostgreSQL 15]

<https://www.postgresql.org/docs/15/release-15.html>

[PostgreSQL 15.1]

<https://www.postgresql.org/docs/15/release-15-1.html>

[PostgreSQL 15.2]

<https://www.postgresql.org/docs/15/release-15-2.html>

[PostgreSQL 15.3]

<https://www.postgresql.org/docs/15/release-15-3.html>

[PostgreSQL 15.4]

<https://www.postgresql.org/docs/15/release-15-4.html>

[PostgreSQL 15.5]

<https://www.postgresql.org/docs/15/release-15-5.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 15 SP2 Program Updates](#)
- [Fujitsu Enterprise Postgres 15 SP1 Program Updates](#)
- [Fujitsu Enterprise Postgres 15 Program Updates](#)

Fujitsu Enterprise Postgres 15 SP2 Program Updates

P number	Update summary
PH17589	The access permission of the directory specified in the backup_destination parameter is set to incorrect value.
PH23241	There is no particular issue because bug corrections in pg_hint_plan 1.5.0 and 1.5.1 apply to Fujitsu Enterprise Postgres.
PH23344	This fix reflects fixes up to OpenSSL 3.0.12 in this product and does not indicate any specific symptoms.
PH23407	Provide pg_statsinfo 15.2 for Fujitsu Enterprise Postgres 15.
PH23434	There is no particular issue because bug corrections in PostgreSQL 15.5 apply to Fujitsu Enterprise Postgres.
PH20174	pg_statsinfo may fail to gather the statistics about autovacuum.
PH23041	When you execute an EXPLAIN statement, the EXPLAIN statement may cause an error or cause the database instance to go down.
PH23197	When communication between Connection Manager and the DB server is lost, the message reported by Connection Manager is output to the standard error for applications connecting via Connection Manager, and the error message for SQL execution errors obtained by the PQerrorMessage function may be an empty string.
PH23286	When standby database monitor detects an error, the pre-detach command specified by Server Configuration File for the Database Servers is not executed. In addition, if shutdown_detached_synchronous_standby is set to on, the standby server does not shutdown as expected.
PH23288	After the Mirroring Controller detects an error, it may take 65 seconds until automatic switching starts.
PH23295	If any disk in a primary server which is monitoring by Mirroring Controller is unresponsive, switching will not occur.
PH23411	Provide pg_dbms_stats 14.0 for Fujitsu Enterprise Postgres 15.
PH23246	There is no particular issue because bug corrections in Pgpool-II 4.4.1, 4.4.2, 4.4.3 and 4.4.4 apply to Fujitsu Enterprise Postgres.

Fujitsu Enterprise Postgres 15 SP1 Program Updates

P number	Update summary
PH18842	Using <code>pgx_rcvall</code> command, the instance might be recovered to an unintended state.
PH19877	When system catalog is updated on the primary server, the updated data may not be reflected on the standby server.
PH19883	Executing a SQL statement with an integer host variable in the FOR clause of bulk INSERT may result in an error.
PH19944	If an instance goes down while executing the function <code>pgx_set_master_key</code> , the instance may fail to start or promote.
PH19948	When the application that has connected to the server using Transparent Connection Support Feature of Connection Manager tries to execute SQL statements on the connection, it might become unresponsive because of waiting a response from the server.
PH19967	<code>pg_hint_plan</code> may not be able to control a query plan.
PH20170	After executing DROP DATABASE when Global Meta Cache feature is enabled, database may become unresponsive.
PH20287	The Connection Manager <code>conmgr</code> process may leak memory or shut down abnormally.
PH20433	When system catalog is updated in the two-phase commit, the updated data may not be referred from the following transaction.
PH21927	Backups taken by <code>pg_dump</code> and <code>pg_dumpall</code> may not be restored if a column type index (Vertical Clustered Index: VCI) is used.
PH21953	When the <code>pgx_dmpall</code> command is executed, an extra connection is used. In addition, unnecessary error messages may be output to the database log.
PH22849	Reflect changes in OpenSSL to this product.
PH22998	At the time of client authentication, statements including "connection authorized:" may not be output to the audit log.
PH23013	In the "Cluster Operation Guide (Database Multiplexing)", the value to be set in the <code>synchronous_commit</code> parameter was described as "recommended".
PH23062	When authenticating the client, the output contents of the statement including "connection authorized:" in the audit log may be incorrect.
PH23068	The audit log output during replication connection authentication may be incorrect.
PH23090	If you use the <code>pg_upgrade</code> command to upgrade an instance that contains tablespaces encrypted by the transparent data encryption function, it may end abnormally.
PH23112	Reflect bug fixes absorbed in PostgreSQL 15.1, 15.2, 15.3, and 15.4 to Fujitsu Enterprise Postgres.
PH23183	Provides <code>pgBackRest</code> , a backup management tool.

Fujitsu Enterprise Postgres 15 Program Updates

P number	Update summary
PH16261	When deleting a synchronous standby instance using WebAdmin, the application name remains in the parameter synchronous_standby_names of the master instance.
PH18843	An unnecessary WARNING message may be output when the transaction log duplication feature is enabled.
PH19098	When using pgaudit, an SQL error may occur.
PH19668	When ODBC driver's advanced configuration in the ODBC Data Source Administrator is performed, the MyLog settings are automatically enabled and cannot be disabled.
PH19947	After a database switch occurs, applications connected using the Connection Manager may not be able to reconnect to the database.
PH20434	Metacache may not be placed in the GMC area on the standby server.
PH20625	Using the features compatible with Oracle database may result in an error.
PH21161	When Mirroring Controller detects an OS error, automatic switching or automatic disconnection may fail after executing the arbitration server fencing command.
PH21305	When executing the mc_ctl status command, the status may become unknown depending on the network and CPU conditions.
PH21560	A new parameter audit_log_disconnections is added to output disconnections in the CONNECT class (events related to connections) to the audit log.
PH22445	When executing SQL statement or VACUUM on a table with a GIN index, the incorrect scan result may return or the server process may be abort.
PH22603	When using a key management system as a key store for transparent data encryption, if the master encryption key is changed, it may fail to apply WAL.
PH22741	When started in single-user mode, the postgres process may core dump and terminate abnormally.