Fujitsu Enterprise Postgres 15 (SP1) for x86

Program Updates

Linux

FUJITSU

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	AE	SE
Number that uniquely identifies the update	Summary of update details	Symbol indicating the fixed status	

AE

    Indicates Advanced Edition.

SE

    Indicates Standard Edition.

Symbol

    Indicates the incorporated status for each edition.

    Y: Fixed

    -: Not relevant to this product

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Issue date and version

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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

See

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

[PostgreSQL 15]

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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
```

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 SP1 Program Updates

- Fujitsu Enterprise Postgres 15 Program Updates

Fujitsu Enterprise Postgres 15 SP1 Program Updates

P number	Update summary	AE	SE
PH18842	Using pgx_rcvall command, the instance might be recovered to an unintended state.	Y	Y
PH19877	When system catalog is updated on the primary server, the updated data may not be reflected on the standby server.	Y	-
PH19883	Executing a SQL statement with an integer host variable in the FOR clause of bulk INSERT may result in an error.	Y	Y
PH19944	If an instance goes down while executing the function pgx_set_master_key, the instance may fail to start or promote.	Y	Y
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.	Y	-
PH19967	pg_hint_plan may not be able to control a query plan.	Y	Y
PH20170	After executing DROP DATABASE when Global Meta Cache feature is enabled, database may become unresponsive.	Y	-
PH20287	The Connection Manager conmgr process may leak memory or shut down abnormally.	Y	-
PH20433	When system catalog is updated in the two-phase commit, the updated data may not be referred from the following transaction.	Y	-
PH21927	Backups taken by pg_dump and pg_dumpall may not be restored if a column type index (Vertical Clustered Index: VCI) is used.	Y	-
PH21953	When the pgx_dmpall command is executed, an extra connection is used. In addition, unnecessary error messages may be output to the database log.	Y	Y
PH22068	Using failover operation integrated with PRIMECLUSTER, the cluster aplication state might be FAULT when the OS shuts down.	Y	Y
PH22729	When monitoring the Mirroring Controller database process, it may be determined that an error has occurred in a shorter period of time than the set value.	Y	-
PH22743	Reflect changes in OpenSSL to this product.	Y	Y
PH22813	When defining a data type with pgAdmin4, if you try to define a composite type that includes a national character string type, the number of characters for the national character string type may not be specified.	Y	Y
PH22849	Reflect changes in OpenSSL to this product.	Y	Y
PH22998	At the time of client authentication, statements including "connection authorized:" may not be output to the audit log.	Y	-
PH23013	In the "Cluster Operation Guide (Database Multiplexing)", the value to be set in the synchronous_commit parameter was described as "recommended".	Y	Y
PH23062	When authenticating the client, the output contents of the statement including "connection authorized:" in the audit log may be incorrect.	Y	-
PH23068	The audit log output during replication connection authentication may be incorrect.	Y	-

P number	Update summary	AE	SE
PH23090	If you use the pg_upgrade command to upgrade an instance that contains tablespaces encrypted by the transparent data encryption function, it may end abnormally.	Y	Y
PH23112	Reflect bug fixes absorbed in PostgreSQL 15.1, 15.2, 15.3, and 15.4 to Fujitsu Enterprise Postgres.	Y	Y
PH23128	In "JDBC Driver Incompatibility" in the "Release Notes", the description of incompatibilities related to the statement cache feature was omitted.	Y	Y
PH23183	Provides pgBackRest, a backup management tool.	Y	Y

Fujitsu Enterprise Postgres 15 Program Updates

P number	Update summary	AE	SE
PH16261	When system catalog is updated on the primary server, the updated data may not be reflected on the standby server.	Y	Y
PH18843	Executing a SQL statement with an integer host variable in the FOR clause of bulk INSERT may result in an error.	Y	Y
PH19098	If an instance goes down while executing the function pgx_set_master_key, the instance may fail to start or promote.	Y	Y
PH19668	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.	Y	Y
PH19947	pg_hint_plan may not be able to control a query plan.	Y	Y
PH20434	After executing DROP DATABASE when Global Meta Cache feature is enabled, database may become unresponsive.	Y	Y
PH20625	The Connection Manager conmgr process may leak memory or shut down abnormally.	Y	Y
PH21161	When system catalog is updated in the two-phase commit, the updated data may not be referred from the following transaction.	Y	Y
PH21305	When executing the mc_ctl status command, the status may become unknown depending on the network and CPU conditions.	Y	Y
PH21560	When the pgx_dmpall command is executed, an extra connection is used. In addition, unnecessary error messages may be output to the database log.	Y	Y
PH21759	PRIMECLUSTER linkage cannot be started in an environment using a login shell other than bash.	Y	Y
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.	Y	Y
PH22581	When creating the table which inludes the column of national character data type by using pgAdmin4, the data length of the column may be not able to be specified.	Y	Y
PH22587	When inserting or updating the column data of national character data type by using pgAdmin4, the data which is unexpected length may be inserted or updated.	Y	Y
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.	Y	Y
PH22649	When updating the data type with national character data type by using pgAdmin4, the column may be updated the unexpected length.	Y	Y
PH22741	When started in single-user mode, the postgres process may core dump and terminate abnormally.	Y	Y