

Fujitsu Enterprise Postgres 18
for Kubernetes

Release Notes

Linux



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Preface

Purpose of this document

This document provides release information for Fujitsu Enterprise Postgres for Kubernetes.

Structure of this document

This document is structured as follows:

[Chapter 1 New Features and Improvements](#)

Explains the new features and improvements in this version.

Abbreviations

The following abbreviations are used in this manual:

Full Name	Abbreviations
Fujitsu Enterprise Postgres for Kubernetes	FEP
Fujitsu Enterprise Postgres	
Custom Resource	CR
Universal Base Image	UBI
OpenShift Container Platform	OCP
Mutual TLS	MTLS

Abbreviations of manual titles

The following abbreviations are used in this manual as manual titles:

Full Manual Title	Abbreviations
Fujitsu Enterprise Postgres for Kubernetes Release Notes	Release Notes
Fujitsu Enterprise Postgres for Kubernetes Overview	Overview
Fujitsu Enterprise Postgres for Kubernetes User's Guide	User's Guide
Fujitsu Enterprise Postgres for Kubernetes Reference	Reference

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Chapter 1 New Features and Improvements

This chapter explains Fujitsu Enterprise Postgres for Kubernetes new features and improvements added in this version.

Table 1.1 New features and improvements

Version and level	Classification	Feature
FEP 18 Operator image tag:v8.3.0	OSS	PostgreSQL Rebase
		OSS Updates Provided
Container image tag:ubi9-18-3.0	Component Enhancement	Additional Operating System Support
	Platform Enhancement	Additional OCP Support
		Additional Kubernetes Support
FEP 18 Operator image tag:v8.2.0	AI Application Development Support	MCP Server Feature for Business Data Utilization
Container image tag:ubi9-18-2.0	Operation	Geographic Distribution Across Multiple Regions (n:n)
	OSS	PostgreSQL Rebase
		OSS Updates Provided
FEP 18 Operator image tag:v8.1.0	AI Application Development Support	In-database Inference
Container image tag:ubi9-18-1.0	Operation	Multi-master Replication
	OSS	PostgreSQL Rebase
		OSS Updates Provided

1.1 Features Added FEP18 Operator in v8.3.0

This section explains the improvement in Fujitsu Enterprise Postgres for Kubernetes v8.3.0.

1.1.1 OSS

This section explains the new feature related to OSS:

- PostgreSQL Rebase
- OSS Updates Provided

1.1.1.1 PostgreSQL Rebase

The PostgreSQL version that Fujitsu Enterprise Postgres is based on is 18.4.

1.1.1.2 OSS Updates Provided

The OSS provided by Fujitsu Enterprise Postgres and Fujitsu Enterprise Postgres for Kubernetes has been updated.



See

Refer to "OSS Supported by Fujitsu Enterprise Postgres for Kubernetes" in the Overview.

1.1.2 Component Enhancement

This section explains the new feature related to Component Enhancement:

- Additional Operating System Support

1.1.2.1 Additional Operating System Support

The following additional operating system is supported:

- SUSE Linux Enterprise Server 15 Base Container Image



.....
Refer to "Components Embedded" in the User's Guide for details.
.....

1.1.3 Platform Enhancement

This section explains the new feature related to platform enhancement:

- Additional OCP Support
- Additional Kubernetes Support

1.1.3.1 Additional OCP Support

The following additional OCP is supported:

- OCP 4.21



.....
Refer to "Supported Platform" in the User's Guide for details.
.....

1.1.3.2 Additional Kubernetes Support

The following additional Kubernetes is supported:

- Kubernetes 1.34



.....
Refer to "Supported Platform" in the User's Guide for details.
.....

1.2 Features Added FEP18 Operator in v8.2.0

This section explains the improvement in Fujitsu Enterprise Postgres for Kubernetes v8.2.0.

1.2.1 AI Application Development Support

This section describes features that support AI application development.

- MCP Server Feature for Business Data Utilization

1.2.1.1 MCP Server Feature for Business Data Utilization

This feature enables the utilization of business data stored in Fujitsu Enterprise Postgres for Kubernetes v8.2.0 via the Model Context Protocol (MCP). Accessing business data stored in the database through MCP facilitates easier integration between AI applications and the database. Additionally, users can easily utilize business data from AI applications.



.....
Refer to "Utilizing Business Data via the MCP Server" in the User's Guide for details.
.....

1.2.2 Operation

This section explains the new feature related to Operation.

- Geographic Distribution Across Multiple Regions (n:n)

1.2.2.1 Geographic Distribution Across Multiple Regions (n:n)

While Fujitsu Enterprise Postgres for Kubernetes v8.1.0 only supported a 1:1 region configuration, it now enables configurations across multiple regions (n:n).



See

.....
Refer to "Multi-master Replication" in the User's Guide for details.
.....

1.2.3 OSS

This section explains the new feature related to OSS:

- PostgreSQL Rebase
- OSS Updates Provided

1.2.3.1 PostgreSQL Rebase

The PostgreSQL version that Fujitsu Enterprise Postgres is based on is 18.3.

1.2.3.2 OSS Updates Provided

The OSS provided by Fujitsu Enterprise Postgres and Fujitsu Enterprise Postgres for Kubernetes has been updated.



See

.....
Refer to "OSS Supported by Fujitsu Enterprise Postgres for Kubernetes" in the Overview.
.....

1.3 Features Added FEP18 Operator in v8.1.0

This section explains the improvement in Fujitsu Enterprise Postgres for Kubernetes v8.1.0.

1.3.1 AI Application Development Support

This section describes features that support AI application development.

- In-database Inference

1.3.1.1 In-database Inference

Provides the ability to import and use ONNX format models in the database. In Fujitsu Enterprise Postgres for Kubernetes v8.1.0, only embedded models with vector transformations can be imported. You can make the imported model available and implement vector transformations for text semantic retrieval.



See

.....
Refer to "Setup of Knowledge Data Management" in the User's Guide for details.
.....

1.3.2 Operation

This section explains the new feature related to Operation.

- Multi-master replication

1.3.2.1 Multi-master replication

By synchronizing updates bidirectionally between multiple sites and making it possible to write data from any node, high availability, improved performance, and distributed operation are achieved.



See

.....
Refer to "Multi-master Replication" in the User's Guide for details.
.....

1.3.3 OSS

This section explains the new feature related to OSS:

- PostgreSQL Rebase
- OSS Updates Provided

1.3.3.1 PostgreSQL Rebase

The PostgreSQL version that Fujitsu Enterprise Postgres is based on is 18.0.

1.3.3.2 OSS Updates Provided

The OSS provided by Fujitsu Enterprise Postgres and Fujitsu Enterprise Postgres for Kubernetes has been updated.



See

.....
Refer to "OSS Supported by Fujitsu Enterprise Postgres for Kubernetes" in the Overview.
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