



Fujitsu Enterprise Postgres 15 for Kubernetes

Release Notes

Linux

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 15 Operator image tag:v5.1.0 Container image tag:ubi8-15-1.0	OSS	PostgreSQL Rebase
	Platform enhancement	Additional OCP Support
		Additional Kubernetes Support
	Collaboration tools	Additional Tool Support
	Security	Confidentiality Management
		Automating Audit Log Operation
		Cloud-based Key Management Service Integration
		Cloud-based Secret Management
Operation	Customize the FEP Server Container Image	

1.1 Features Added FEP15 Operator in v5.1.0

This section explains the improvement in FUJITSU Enterprise Postgres for Kubernetes v5.1.0.

1.1.1 OSS

This section explains the new feature related to OSS:

- PostgreSQL Rebase

1.1.1.1 PostgreSQL Rebase

The PostgreSQL version that FUJITSU Enterprise Postgres is based on is 15.0.



See

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

1.1.2 Platform Enhancement

This section explains the new feature related to platform enhancement:

- Additional OCP Support
- Additional Kubernetes Support

1.1.2.1 Additional OCP Support

The following additional OCP is supported:

- OCP 4.11



See

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

1.1.2.2 Additional Kubernetes Support

The following additional Kubernetes is supported:

- Kubernetes 1.24
- Kubernetes 1.25
- Kubernetes 1.26



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

1.1.3 Collaboration Tools

This section explains the new feature related to platform enhancement:

- Additional Tool Support

1.1.3.1 Additional Tool Support

Linkage with the following tools is now supported.

- Elastic Search

1.1.4 Security

This section explains the new feature related to security:

- Confidentiality Management
- Automating Audit Log Operation
- Cloud-based Key Management Service Integration
- Cloud-based Secret Management

1.1.4.1 Confidentiality Management

Supports Fujitsu Enterprise Postgres Confidentiality management feature.



Refer to "Confidentiality Management Feature" in the User's Guide for details.

1.1.4.2 Automating Audit Log Operation

When using audit logs, audit log operations suitable for security requirements are now automatically performed.



Refer to "Automating Audit Log Operations" in the Overview for details.

1.1.4.3 Cloud-based Key Management Service Integration

The following key management system has been added to manage the master encryption key used in the transparent data encryption function.

- AWS key management service

- Azure key management service

Note

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AWS and Azure key management services are only available in environments with a x86 CPU architecture.

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See

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Refer to "Transparent Data Encryption Using Key Management System" in the Overview.

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1.1.4.4 Cloud-based Secret Management

Database secrets such as database user passwords and certificates can now be managed in an external cloud secret store.

See

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Refer to "Cloud Secret Store" in the Overview for details.

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1.1.5 Operation

This section explains the new feature related to operation:

- Customize the FEP Server Container Image

1.1.5.1 Customize the FEP Server Container Image

By adding OSS modules to the FEP server container image of Fujitsu Enterprise Postgres for Kubernetes, the FEP server container image can be customized.

See

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Refer to "Ability to Customize the FEP Server Container Image" in the Overview for details.

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