Fujitsu Software
Technical Computing Suite V4.0L20

FEFS Release Notes

Preface

Purpose of This Manual

This manual describes a release information of FEFS, which is a shared file system developed by Fujitsu Limited.

Organization of This Manual

This manual is organized as follows.

Chapter 1 New Function Information

This chapter provides the new features of FEFS.

Chapter 2 Compatibility Information

This chapter provides the information on interchangeability.

Notation Used in This Manual

Abbreviations

This manual uses the following abbreviations.

Formal name	Abbreviation
Windows(R) 8.1 Windows(R) 8.1 Pro Windows(R) 8.1 Enterprise	Windows 8.1 or Windows
Windows(R) 10 Home Windows(R) 10 Pro Windows(R) 10 Enterprise	Windows 10 or Windows
Microsoft(R) Office Excel(R) 2010 Microsoft(R) Office Excel(R) 2013 Microsoft(R) Office Excel(R) 2016	Excel
Red Hat(R) Enterprise Linux(R)	RHEL

Representation of units

The following table lists the prefixes used to represent units in this manual. Be careful about specifying them when displaying or entering commands.

Prefix	Value	Prefix	Value
K (kilo)	10^3	Ki (kibi)	2^{10}
M (mega)	10^6	Mi (mebi)	2^{20}
G (giga)	10^9	Gi (gibi)	2^{30}
T (tera)	10^{12}	Ti (tebi)	2^{40}
P (peta)	10^{15}	Pi (pebi)	2^{50}
E (exa)	10^{18}	Ei (exbi)	2^{60}

In this manual, PRIMEHPC FX1000 is abbreviated as "FX1000 server", PRIMEHPC FX700 as "FX700 server", and FUJITSU server PRIMERGY as "PRIMERGY server" (or simply "PRIMERGY").

Also, specifications of some of the functions described in the manual are different depending on the target model. In the description of such a function, the target model is represented by its abbreviation as follows:

[FX1000]: The description applies to FX1000 servers.
[FX700]: The description applies to FX700 servers.
[PG]: The description applies to PRIMERGY servers.

Symbols in this manual

This manual uses the following symbols.

📒 Note
....

The Note symbol indicates an item requiring special care. Be sure to read these items.
....

📘 See
....

The See symbol indicates the written reference source of detailed information.
....

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Update History

Changes	Location	Version
Updated Red Hat Enterprise Linux versions supported for the FEFS client and server.	1.1.2	1.11
Updated Red Hat Enterprise Linux versions supported for the FEFS client.	1.1.2	1.10
Updated Red Hat Enterprise Linux versions supported for the FEFS client.	1.1.2	1.9
Updated Red Hat Enterprise Linux versions supported for the FEFS client.	1.1.2	1.8
Updated Red Hat Enterprise Linux versions supported for the FEFS client.	1.1.2	1.7
Updated Red Hat Enterprise Linux versions supported for the FEFS client.	1.1.2	1.6
Added compatibility information about the behavior of moving files with the rename system call between different projects QUOTA.	2.1	
Updated Red Hat Enterprise Linux versions supported for the FEFS client.	1.1.2	1.5
Updated Red Hat Enterprise Linux versions supported for the FEFS client and server.	1.1.2	1.4
Updated Red Hat Enterprise Linux versions supported for the FEFS client and server.	1.1.2	1.3
Updated Red Hat Enterprise Linux versions supported for the FEFS client and server.	1.1.2	1.2

Added the following to the new function information:
 	
  - PRIMEHPC FX700 supports as the FEFS client.
 	
  - PRIMERGY and PRIMEHPC FX700 support Red Hat Enterprise Linux 8.1 as the FEFS client.
	1.1.1
	1.1.2
		1.1

Contents

Chapter 1 New Function Information

This chapter describes the functions added to this software with the release of the current version and level.

1.1 Functions Added in V4.0L20

1.1.1 PRIMEHPC FX700 Support

PRIMEHPC FX700 supports as the FEFS client in environments that not cooperating with Job Operation Software.

1.1.2 Supported Red Hat Enterprise Linux Versions

The following Red Hat Enterprise Linux (RHEL) versions are supported for the FEFS client and server:

Table 1.1 Red Hat Enterprise Linux versions supported for the FEFS client and server

	FEFS server	FEFS client		
		PRIMERGY	FX1000	FX700
RHEL 8.10	o	o	o	-
RHEL 8.9	-	-	o	-
RHEL 8.8	-	-	o	-
RHEL 8.7	-	-	o	-
RHEL 8.6	-	o	o	-
RHEL 8.5	-	-	o	-
RHEL 8.4	-	o	o	-
RHEL 8.3	o	o	o	-
RHEL 8.2	-	o	o	-
RHEL 8.1	-	o (**)	o (*)	o (**)
RHEL 7.9	o	o	-	-
RHEL 7.7	o	o	-	-
RHEL 7.6	o (*)	o (*)	-	-

o: Supported, - Not supported
(*) Already supported in V4.0L10, (**) Only for the environment that not cooperating with Job Operation Software.

1.1.3 DUP Support

Package now supports DUP (Driver Update Program) of RHEL. This eliminates the need to update packages between compatible Linux kernels.

1.1.4 Addition to System Log Messages

One message output to the system log has been added.

[Add]

LDISKFS-fs warning (device *device*): ldiskfs_mb_check_ondisk_bitmap:*nnnn*: on-disk bitmap for group *group* corrupted: *blocknum* blocks free in bitmap, *gd* - in gd

Meaning

A file system inconsistency has been detected.

Description of parameters

device : device name
nnnn : line number
group : block group number
blocknum: block number
gd: group descriptor number

Corrective action

The file system may be corrupted. Repair the file system inconsistency.

🖥 See

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[FEFS User's Guide]

B.1 Messages Output to System Log

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Chapter 2 Compatibility Information

This chapter describes the information about incompatibility of this software.

2.1 Changing the Behavior of the rename System Call Between Projects QUOTA

There is an incompatibility the behavior of moving files with the rename system call between different projects QUOTA.

[V4.0L10]

If a file is moved by a rename system call between directories that have different project QUOTA settings or directories, one of which has project QUOTA settings, the move fails. (error number EXDEV).

[V4.0L20]

If a file is moved by a rename system call between directories that have different project QUOTA or directories, only one of them has project QUOTA, the move will succeed.

No QUOTA exceeded error occurs even if the QUOTA limit of the destination project QUOTA is exceeded.