

## Hitachi Virtual Storage Platform G200, G400, G600, G800 Release Notes

## Hitachi Virtual Storage Platform F400, F600, F800 Release Notes

VSP G800, VSP F800:

DKCMAIN version 83-03-01-60/00, SVP version 83-03-01-60/00

VSP G400, G600, VSP F400, F600:

DKCMAIN version 83-03-01-40/00, SVP version 83-03-01-40/00

VSP G200:

DKCMAIN version 83-03-01-20/00, SVP version 83-03-01-20/00

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### About this document

This document provides information about the Hitachi Virtual Storage Platform G200, G400, G600, G800 and the Hitachi Virtual Storage Platform F400, F600, F800 microcode (DKCMAIN and SVP), including new features and functions and changes.

Revision	Date
RN-830301-M021-00	February 29 <sup>th</sup> , 2016

### Intended audience

This document is intended for Hitachi Data Systems customers and authorized service providers who install, configure, operate, and maintain the Hitachi Virtual Storage Platform G200, G400, G600, G800 and the Hitachi Virtual Storage Platform F400, F600, F800 storage systems.

### Getting help

Hitachi Data Systems Support Connect is the destination for technical support of products and solutions sold by Hitachi Data Systems. To contact technical support, log on to Hitachi Data Systems Support Connect for contact information:  
[https://support.hds.com/en\\_us/contact-us.html](https://support.hds.com/en_us/contact-us.html).

## About this release

This document describes the differences between the following versions:

Product	Version	DKCMAIN (NFHAE-Q)	SVP
VSP G800 VSP F800	New version	83-03-01-60/00 (00-C1-20)	83-03-01-60/00
	Previous version	83-03-01-60/00 (00-C0-S0)	83-03-01-60/00
VSP G400, G600 VSP F400, F600	New version	83-03-01-40/00 (00-C1-20)	83-03-01-40/00
	Previous version	83-03-01-40/00 (00-C0-S0)	83-03-01-40/00
VSP G200	New version	83-03-01-20/00 (00-C1-20)	83-03-01-20/00
	Previous version	83-03-01-20/00 (00-C0-S0)	83-03-01-20/00

## Supported features and functions

None

## Fixed problems

No	Item	Contents
1	Title	FMC/LDEV blockage at data writing to FMC drives
	Symptoms	After updating the FMC firmware to version 00-C0-S0, when writing data to FMC drives, SSB=A404 and A40B were logged and FMC drive blockage (SIM=EF0XXX, EF1XXX) or LDEV blockage (SIM=DF9XXX) occurred.
	Conditions of Occurrence	The problem may occur when all the following conditions are met.  (1) 1.6 TB FMC (NFHAE-Q1R6SS) drive is used.  (2) The FMC firmware is updated from a version earlier than 00-C0-S0 to 00-C0-S0.  (3) After (2), PS OFF has not been performed for FMC drives.  (4) Data is written to FMC drives.
	Category	Drive
	Products and Versions Affected	NFHAE-Q: 00-C0-S0

## Acronyms and abbreviations

3DC	three data center
ASP	authorized service provider
CCI	Command Control Interface
CL	cluster
CLI	command line interface
CM	cache memory
CRC	cyclical redundancy checking
CSV	Cluster Shared Volumes
CTG	consistency group
CU	control unit
CUDG	control unit diagnosis
DB	drive box
DKA	disk adapter (another name for back-end director)
DKAF	DKA firmware
DKC	disk controller (refers to the entire storage system)
DKCMAIN	disk controller main (refers to the microcode/firmware)
DP	Hitachi Dynamic Provisioning
DP-VOL	Dynamic Provisioning V-VOL
DRU	Hitachi Data Retention Utility
DS	dynamic sparing
DT	Hitachi Dynamic Tiering
DW700	another name for the Hitachi Unified Storage VM
DW800	another name for the Hitachi Virtual Storage Platform Gx00
ECC	error checking and correction
ECN	engineering change notice
EQC	equipment check
FC	fibre channel
FCoE	fibre channel over ethernet
FMD	flash module drive
FRS	Feature Release Schedule
GPFS	General Parallel File System
GUM	gateway for unified management (another name for the maintenance utility)
HA	high availability
HAM	Hitachi High Availability Manager
HCS	Hitachi Command Suite
HDD	hard disk drive
HDS	Hitachi Data Systems
HDP	Hitachi Dynamic Provisioning
HDT	Hitachi Dynamic Tiering
HDVM	Hitachi Device Manager
HM700	factory model number for the Hitachi Unified Storage VM
HM800	factory model number for the Hitachi Virtual Storage Platform Gx00
HMO	host mode option

HNAS	Hitachi Network-Attached Storage
HTI	Hitachi Thin Image
HUS VM	Hitachi Unified Storage VM
JNL	journal
JNLG	journal group
LBA	logical block address
LDEV	logical device
LU	logical unit
LUSE	logical unit size expansion
MCU	main control unit
MP	microprocessor
MSCS	Microsoft Cluster Server
PDEV	physical device
PS, P/S	power supply
P-VOL	primary volume
RC	reference code
RCU	remote control unit
SAS	serial-attached SCSI
SI	Hitachi ShadowImage
SIM	service information message
SOM	system option mode
SPM	Hitachi Server Priority Manager
SSB	sense byte
SSD	solid-state drive (also called flash drive)
S-VOL	secondary volume
SVP	service processor
TC	Hitachi TrueCopy
TI	Hitachi Thin Image
TOV	time-out value
TS	Technical Support
UR	Hitachi Universal Replicator
UVM	Hitachi Universal Volume Manager
VM	Volume Migration
VSP	Hitachi Virtual Storage Platform
VSP Fx00	Hitachi Virtual Storage Platform F400, F600, F800
VSP G1000	Hitachi Virtual Storage Platform G1000
VSP Gx00	Hitachi Virtual Storage Platform G200, G400, G600, G800
V-VOL	virtual volume
WWN	worldwide name

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