

Hitachi Universal Storage Platform V/VM Release Notes

DKCMAIN version 60-08-55-00/00, SVP 60-08-45/00

Contents

About this document.....	1
Intended audience.....	1
Getting help	1
About this release	1
Supported features and functions.....	2
(1) For Open and Mainframe systems.....	2
(2) For Mainframe systems	3
(3) For Open systems	4
Change of contents	5
Acronyms and abbreviations.....	9

About this document

This document provides information about the Hitachi Universal Storage Platform V/VM microcode (DKCMAIN and SVP), including new features and functions and changes.

Revision	Date
RN-600855-M314-00	June 3 rd , 2015

Intended audience

This document is intended for Hitachi Data Systems customers and authorized service providers who install, configure, operate, and maintain the Hitachi Universal Storage Platform V/VM storage system.

Getting help

If you need technical support, contact your Hitachi Data Systems representative or authorized service provider. For contact information, log on to the Hitachi Data Systems Portal: <https://portal.hds.com>

About this release

This document describes the differences between the following versions:

Version	DKCMAIN	SVP
New version	60-08-55-00/00	60-08-45/00
Previous version	60-08-53-00/00	60-08-44/00

Supported features and functions

(1) For Open and Mainframe systems

1-1	Support for AutoDump function
Description	<p>The AutoDump function to collect updated information of each storage system kept in SVP without refreshing the Maintenance window is supported.</p> <p>When the AutoDump is started, the following processing runs.</p> <ul style="list-style-type: none"> - Update of maintenance status information - Update of MF-Path information - Update of microcode version information - Update of PIN information - Output of archive PIN information - LAN check <p>In addition, [Archive] button is removed from the PIN window.</p>
Documented	Maintenance Manual (10 SVP)

1-2	Support for OSS version check tool
Description	<p>A tool to check server software version is supported.</p> <p>By using the tool, versions of Apache (Openssl), JRE, and Perl that are currently installed on SVP can be confirmed.</p> <p>The tool is provided along with OSS 60-08-02/00 in the same media.</p> <p>For detailed procedure, refer to 22 WEV STATION in Maintenance Manual.</p>
Documented	Maintenance Manual (22 WEB CONSOLE)

1-3	Support for new function of Account Management Tool
Description	A function to extend account lockout duration from 60 minutes to 5760 minutes (96 hours) by Account Management Tool is supported.
Documented	None

(2) For Mainframe systems

None

(3) For Open systems

3-1	Support for Command Control Interface Ver. 01-33-03/07
Description	<p>Supported function from Ver. 01-32-03/09</p> <p>This release includes the following function:</p> <ul style="list-style-type: none">- To assign CTG ID to a pair without CTG ID in a mixed copy group of pairs with and without CTG ID is supported with pairresync command. <p>Revision from Ver. 01-32-03/09</p> <p>This release includes the following change:</p> <ul style="list-style-type: none">- Fixed the problem where EX_CMDRJE was reported as EX_CMDIOE on SUSE11 SP3. This problem was caused by the regression of SUSE11 SP3 (bug #920733).
Documented	None

Change of contents

No	Item	Contents
1	Title	Multiple-HDD blockage
	Phenomena	Multiple HDDs were blocked due to a media-related failure. SIM=434XYY and SSB=A403 were reported.
	Conditions of Occurrence	The problem may occur when all the following conditions are met. (1) A media-related failure occurs in a look-ahead operation. (2) After (1), no host read I/O is issued to the LBA where the failure occurs.
	Category	HDD
	Affected Products/Version	DKCMAIN: All

No	Item	Contents
2	Title	Command reject and abend with SSB=6D41/6E49
	Phenomena	When z/OS ICKDSF or Dataset format job was run, the command was rejected and ended abnormally. SSB=6D41 or 6E49
	Conditions of Occurrence	The problem may occur when all the following conditions are met. (1) TPF CONFIG is installed. (2) z/OS ICKDSF or Dataset format job is run.
	Category	TPF
	Affected Products/Version	DKCMAIN: 60-08-53-00/00 and higher

No	Item	Contents
3	Title	Operation failures
	Phenomena	Any of the following phenomena might occur. (1) PS OFF was disabled and SIM=388F00 was output. (2) Parity group migration in a CLPR failed. (3) Cache maintenance (replacement, installation, removal) failed and SVP message ONL2788E was output. (4) A TC/TCz, UR/URz, or SI/SIz pair was suspended.
	Conditions of Occurrence	The problem may occur when any of the following operations is performed. (1) PS OFF (2) Parity group migration in CLPR (3) Cache maintenance (replacement, installation, removal) (4) A TC/TCz, UR/URz, or SI/SIz pair is created or resynchronized.
	Category	Open or Mainframe
	Affected Products/Version	DKCMAIN: All

No	Item	Contents
4	Title	URz pair failure suspension at multiple-relationship creation
	Phenomena	When a URz primary data volume was specified as the target volume of 2 FCv2 relationships and then the relationships were created at the same time, SIM=DC1XXX, SSB=DB00 and DB06 were reported and the URz pair might be suspended due to failure.
	Conditions of Occurrence	The problem may occur when all the following conditions are met. (1) Universal Replicator for Mainframe (2) The URz pair is in Duplex status. (3) The primary data volume of the URz pair is specified as the target volume of multiple FCv2 relationships, and then the relationships are created at the same time.
	Category	Universal Replicator for z/OS
	Affected Products/Version	DKCMAIN: 60-05-06-00/00 and higher

No	Item	Contents
5	Title	Unable to decompress collected dump file
	Phenomena	A collected dump file could not be decompressed.
	Conditions of Occurrence	The problem occurs when all the following conditions are met. (1) There is a folder/file that an SVP normal logon user and an SVP logon user created on Windows (XP) have permission to access. (2) The folder/file is stored under "dkc200\others\csv". (3) The folder/file is created at the time when one of the following events takes place. (a) Pcbrev startup (b) Revision information rewriting (c) CSW/CHA/DKA/shared memory/cache replacement (d) CHA/DKA/shared memory/cache installation (e) Auto Dump (4) Dump is collected by an SVP user (administrator) before user change.
	Category	Open or Mainframe
	Affected Products/Version	SVP: All

No	Item	Contents
6	Title	DKU installation on R1 lower level disabled
	Phenomena	DKU installation on the R1 lower level was disabled.
	Conditions of Occurrence	The problem occurs when all the following conditions are met. (1) USP V model (2) Installation of a DKA (3) Installation of a DKU connected to the existing DKA (4) No HDD installation in the DKU of (3)
	Category	Open or Mainframe
	Affected Products/Version	SVP: 60-08-07/00 and higher

No	Item	Contents
7	Title	Arbitration processing not work correctly
	Phenomena	When an I/O was issued from a Mainframe host via a specific interface, the arbitration processing for restore of JNLGs in an EXCTG did not work correctly because the time stamp used for the arbitration processing was not recognized correctly.
	Conditions of Occurrence	The problem occurs when all the following conditions are met. (1) Mainframe host connection (z/OS) (2) Mainframe volume (3) An I/O with time stamp is issued.
	Category	Mainframe
	Affected Products/Version	DKCMAIN: All

Acronyms and abbreviations

3DC	three data center
ABTS	ASCII Block Terminal Services
AOU	allocation on use (another name for Dynamic Provisioning)
ASP	authorized service provider
BCM	Hitachi Business Continuity Manager
CCI	Command Control Interface
CHA	channel adapter (another name for front-end director)
CL1/2	cluster 1/2
CLI	command line interface
CLPR	cache logical partition
CM	cache memory
CMA	cache memory adapter
COW	copy on write
CPC	cache path control adapter
CPK	cache package
CRM	Cache Residency Manager
CSV	Cluster Shared Volumes
CTG	consistency group
CU	control unit
CUDG	control unit diagnosis
CVS	custom volume size (another name for Virtual LVI/LUN)
DCR	dynamic cache residency (another name for Cache Residency Manager)
DF850	Hitachi Unified Storage
DKA	disk adapter (another name for back-end director)
DKC	disk controller (also used to refer to the entire storage system)
DKU	disk unit
DP	Dynamic Provisioning
DP-VOL	Dynamic Provisioning virtual volume (V-VOL used for Dynamic Provisioning)
DPz	Dynamic Provisioning for Mainframe
DRU	Hitachi Data Retention Utility
DS	dynamic sparing
DT	Dynamic Tiering
DTz	Dynamic Tiering for Mainframe
DW700	another name for the Hitachi Unified Storage VM
DW800	another name for the Hitachi Virtual Storage Platform Gx00
ECC	error checking and correction
EQC	equipment check
ESW	express switch
FC	fibre channel, FlashCopy
FCA	fibre control adapter
FCoE	fibre channel over ethernet
FCSE	FlashCopy Space Efficient
FCU	File Conversion Utility
FCv2	FlashCopy version 2

FD	floppy disk
FDM	FICON [®] data migration
FMD	flash module drive
FRS	Feature Release Schedule
grp	group
HA	high availability
HAM	Hitachi High Availability Manager
HCS	Hitachi Command Suite
HDD	hard disk drive
HDEV	host device
HDS	Hitachi Data Systems
HDvM	Hitachi Device Manager
HLDE	hold-error
HM700	another name for the Hitachi Unified Storage VM
HM800	factory model number for the Hitachi Virtual Storage Platform Gx00
HMO	host mode option
HPAV	Hitachi Parallel Access Volume (another name for Hitachi Compatible PAV)
HPF	High Performance FICON [®]
HPtM	Hitachi Protection Manager
HPvM	Hitachi Provisioning Manager
HRpM	Hitachi Replication Manager
HTP	hyper transfer program (controls the FICON channel links)
HTSM	Hitachi Tiered Storage Manager
HUS	Hitachi Unified Storage
HUS VM	Hitachi Unified Storage VM
I-site	intermediate site
JNL	journal
JNLG	journal group
LDEV	logical device
LDKC	logical disk controller
Lib	Library
LRC	longitudinal redundancy check
LSI	large-scale integration, refers to an integrated circuit (IC)
L-site	local site
LU	logical unit
LUN	logical unit number
LUSE	logical unit size expansion
LVI	logical volume image
MCU	main control unit
MDKC	main storage system (contains MCUs)
MIH	missing interrupt handler
MP	microprocessor
MPB	MP blade
MSCS	Microsoft Cluster Server
MTO	mainframe-to-open

NDM	non-disruptive migration
OTM	open-to-mainframe
PAV	Parallel Access Volume
PCB	printed circuit board
PDEV	physical device
PP	program product
PPC	prioritized port control
PS	power supply
P-site	primary site
P-VOL	primary volume
RC	remote console
RCU	remote control unit
RDKC	remote storage system (contains RCUs)
RIO	remote I/O
RM	RAID Manager (another name for Command Control Interface)
RSCN	registered state-change notification
RSD	Hitachi RAID Systems Division
R-site	remote site
SAS	serial-attached SCSI
SATA	serial Advanced Technology Attachment
SCP	state change pending
SFP	small form-factor pluggable
SI	Hitachi ShadowImage
SIM	service information message
SIz	ShadowImage for Mainframe
SM	shared memory
SMPL	simplex
SN	Storage Navigator
SOM	system option mode
SPM	Hitachi Server Priority Manager
SSB	sense byte
SSD	solid-state device (another name for flash drive)
SSID	storage subsystem identifier
SSL	secure socket layer
SSW	standard switch adapter
SUS	suspended
S-VOL	secondary volume, source volume
SVP	service processor
TC	Hitachi TrueCopy
TCz	Hitachi TrueCopy for Mainframe
TI	Hitachi Thin Image
TOV	time-out value
TPF	Transaction Processing Facility
TS	Technical Support
TSE-VOL	track-space-efficient volume
T-VOL	target volume
UR	Hitachi Universal Replicator

URz	Hitachi Universal Replicator for Mainframe
USP V/VM	Hitachi Universal Storage Platform V/VM
UVM	Universal Volume Manager
VSP	Hitachi Virtual Storage Platform
VSP G1000	Hitachi Virtual Storage Platform G1000
VSP Gx00	Hitachi Virtual Storage Platform G200, G400, G600
V-VOL	virtual volume

© 2015 Hitachi, Ltd. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or stored in a database or retrieval system for any purpose without the express written permission of Hitachi, Ltd.

Hitachi, Ltd., reserves the right to make changes to this document at any time without notice and assumes no responsibility for its use. This document contains the most current information available at the time of publication. When new or revised information becomes available, this entire document will be updated and distributed to all registered users.

Some of the features described in this document might not be currently available. Refer to the most recent product announcement for information about feature and product availability, or contact Hitachi Data Systems Corporation at <https://portal.hds.com>.

Notice: Hitachi, Ltd., products and services can be ordered only under the terms and conditions of the applicable Hitachi Data Systems Corporation agreements. The use of Hitachi, Ltd., products is governed by the terms of your agreements with Hitachi Data Systems Corporation.

Notice on Export Controls. The technical data and technology inherent in this Document may be subject to U.S. export control laws, including the U.S. Export Administration Act and its associated regulations, and may be subject to export or import regulations in other countries. Reader agrees to comply strictly with all such regulations and acknowledges that Reader has the responsibility to obtain licenses to export, re-export, or import the Document and any Compliant Products.

Hitachi is a registered trademark of Hitachi, Ltd., in the United States and other countries. Hitachi Data Systems is a registered trademark and service mark of Hitachi, Ltd., in the United States and other countries.

Archivas, Essential NAS Platform, HiCommand, Hi-Track, ShadowImage, Tagmaserve, Tagmasoft, Tagmasolve, Tagmastore, TrueCopy, Universal Star Network, and Universal Storage Platform are registered trademarks of Hitachi Data Systems Corporation.

AIX, AS/400, DB2, Domino, DS6000, DS8000, Enterprise Storage Server, ESCON, FICON, FlashCopy, IBM, Lotus, MVS, OS/390, RS/6000, S/390, System z9, System z10, Tivoli, VM/ESA, z/OS, z9, z10, zSeries, z/VM, and z/VSE are registered trademarks or trademarks of International Business Machines Corporation.

All other trademarks, service marks, and company names in this document or website are properties of their respective owners.

Hitachi Data Systems

Corporate Headquarters

2845 Lafayette Street
Santa Clara, California 95050-2639
U.S.A.

www.hds.com

Regional Contact Information

Americas

+1 408 970 1000

info@hds.com

Europe, Middle East, and Africa

+44 (0) 1753 618000

info.emea@hds.com

Asia Pacific

+852 3189 7900

hds.marketing.apac@hds.com

