



ReportInfo

Array Diagnostic Utility Version	7.70.12.0
Array Diagnostic Utility Inspection Report Version	7.70.12.0
Date/Time	Friday, February 23, 2007 10:11:54AM
Computer Model	HP Server

## SLOT 1 Smart Array 641 Controller

ERROR REPORT

ErrorText	SLOT 1 Smart Array 641 Controller
ErrorText	Logical drive 1 status = Ready for recovery

CONTROLLER IDENTIFICATION

Configured Logical Drives	2
Controller ROM Revision	1.92
Board ID	Smart Array 641

MONITOR AND PERFORMANCE

SCSI Port 1, Drive ID 0

Serv. Time	1376455
Read Blks	67533727191
Hrd Read	270
ECC Read	17
Write Blks	6923986118
Timeouts	2
FI Rd Recv	24

DRIVE ERROR LOG

SCSI Status	CAM Status	Sense Key	Sense Code	Block	Time Stamp	SCSI Operation	Additional Info	Time Since Error
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1376332	Read(10)	0x0000	2 hrs
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00324da0 (0)	1376332	Read(10)	0x0000	2 hrs
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1376332	Read(10)	0x0000	2 hrs
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x0012e2e9 (1)	1376343	Read(10)	0x0000	1 hrs
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1376344	Read(10)	0x0000	1 hrs
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00000000 (0)	1376344	Rezero Unit	0x0000	1 hrs
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1376344	Read(10)	0x0000	1 hrs
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1376345	Read(10)	0x0000	1 hrs
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00000000 (0)	1320480	Rezero Unit	0x0000	38 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1320480	Read(10)	0x0000	38 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1320481	Read(10)	0x0000	38 days

Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x032e4d45 (1)	1329788	Read(10)	0x0000	32 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x05f3dacd (1)	1331913	Read(10)	0x0000	30 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x032e2edd (1)	1347129	Read(10)	0x0000	20 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1353261	Read(10)	0x0000	16 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00324da0 (0)	1353261	Read(10)	0x0000	16 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1353261	Read(10)	0x0000	16 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1353262	Read(10)	0x0000	16 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Data Autoreallocated	0x0012f863 (1)	1376331	Read(10)	0x0000	2 hrs
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error	0x00324dbc (1)	1376331	Read(10)	0x0000	2 hrs

**SCSI Port 1, Drive ID 1**

Serv. Time	1376455
Read Blks	67724686803
Write Blks	6710588824

**DRIVE ERROR LOG**

SCSI Status	CAM Status	Sense Key	Sense Code	Block	Time Stamp	SCSI Operation	Additional Info	Time Since Error
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x0065ab80 (0)	388195	Read(10)	0x0000	686 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00855c20 (0)	392922	Read(10)	0x0000	683 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00a2afa0 (0)	423381	Read(10)	0x0000	661 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00e6ef20 (0)	585346	Read(10)	0x0000	549 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x0103c160 (0)	639298	Read(10)	0x0000	511 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x012275a0 (0)	740021	Read(10)	0x0000	441 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x014151e0 (0)	746847	Read(10)	0x0000	437 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x015ff840 (0)	746851	Read(10)	0x0000	437 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x017cdca0 (0)	801806	Read(10)	0x0000	399 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x01a19f00 (0)	857623	Read(10)	0x0000	360 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x01c1f640 (0)	857634	Read(10)	0x0000	360 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x01e2ade0 (0)	1132204	Read(10)	0x0000	169 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x02067760 (0)	1200256	Read(10)	0x0000	122 days
Good	SCSI Bus Reset	No	No Additional	0x00a62840	1240445	Read(10)	0x0000	94 days

Sent/Recieved	Sense	Sense Information	(0)
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**SCSI Port 1, Drive ID 2**

Serv. Time	1374210
Read Blks	50608091031
Hrd Read	14
Rtry Read	1
ECC Read	11
Write Blks	7672381131
Timeouts	2

**DRIVE ERROR LOG**

SCSI Status	CAM Status	Sense Key	Sense Code	Block	Time Stamp	SCSI Operation	Additional Info	Time Since Error
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x00b2cfc4 (1)	1213039	Read(10)	0x0000	111 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data With No Error Correction Applied	0x009a049e (1)	1224612	Read(10)	0x0000	103 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Data Autoreallocated	0x009a049e (1)	1228976	Read(10)	0x0000	100 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x004bca20 (0)	1240444	Read(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x06f0a3e (0)	1240444	Read(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x04156e40 (0)	1240444	Read(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x004bc9e0 (0)	1240444	Read(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x004bca00 (0)	1240444	Read(10)	0x0000	92 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00305ccf (0)	1240444	Write(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x090962d6 (0)	1240444	Read(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x006b534f (0)	1240444	Write(10)	0x0000	92 days
Good	Command Timeout	No Sense	No Additional Sense Information	0x004bca20 (0)	1240444	Read(10)	0x0000	92 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error Recommend Reassignment	0x0021839d (1)	1240444	Read(10)	0x0000	92 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error Recommend Reassignment	0x00319083 (1)	1240445	Read(10)	0x0000	92 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error Recommend Reassignment	0x0031a177 (1)	1240445	Read(10)	0x0000	92 days
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x00000000 (0)	1240445	Reassign Blocks	0x0000	92 days
Check Condition	Request Completed with Error	Medium Error	Unrecovered Read Error Recommend Reassignment	0x0031ca06 (1)	1240445	Read(10)	0x0000	92 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x0031ca06 (1)	1240445	Read(10)	0x0000	92 days
Check Condition	Request Completed with Error	Recovered Error	Recovered Data Recommend Reassignment	0x0018d613 (1)	1374098	Read(10)	0x0000	1 hrs
Good	SCSI Bus Reset Sent/Recieved	No Sense	No Additional Sense Information	0x02067760 (0)	1200256	Read(10)	0x0000	120 days

**SCSI Port 1, Drive ID 3**

Serv. Time	1376455
Read Blks	56450230146
Write Blks	116134136879

**DRIVE ERROR LOG**

SCSI Status	CAM Status	Sense Key	Sense Code	Block	Time Stamp	SCSI Operation	Additional Info	Time Since Error
Good	SCSI Bus Reset	No	No Additional	0x00002400	1240445	Inquiry	0x0000	94 days

	Sent/Received	Sense	Sense Information	(0)					
<b>SCSI Port 1, Drive ID 4</b>									
Serv. Time	1376455								
Read Blks	56268971295								
Write Blks	116308696792								
DRIVE ERROR LOG	<a href="#">SCSI Status CAM Status Sense Key Sense Code Block Time Stamp SCSI Operation Additional Info Time Since Error</a>								
<b>SCSI Port 1, Drive ID 5</b>									
Serv. Time	1376455								
Read Blks	56559598156								
Rtry Read	1								
Write Blks	116052295823								
DRIVE ERROR LOG	<b>SCSI Status</b>	<b>CAM Status</b>	<b>Sense Key</b>	<b>Sense Code</b>	<b>Block</b>	<b>Time Stamp</b>	<b>SCSI Operation</b>	<b>Additional Info</b>	<b>Time Since Error</b>
	Check Condition	Request Completed with Error	Recovered Error	Recovered Data With No Error Correction Applied	0x002f8af2 (1)	1109729	Read(10)	0x0000	185 days

#### PHYSICAL DRIVE IDENTIFICATION

<b>SCSI Port 1, Drive ID 0</b>	
Product Id	BD146863B3 Spare: 404708001, 146GB1 U320 10K 80P , Assembly: 306637003.
Product Rev	HPB5
Serial Number	B8N43HVM
Last Failure Reason	Drive has not failed
<b>SCSI Port 1, Drive ID 1</b>	
Product Id	BD146863B3 Spare: 404708001, 146GB1 U320 10K 80P , Assembly: 306637003.
Product Rev	HPB5
Serial Number	B8MT1TPM
Last Failure Reason	Drive has not failed
<b>SCSI Port 1, Drive ID 2</b>	
Product Id	BD146863B3 Spare: 404708001, 146GB1 U320 10K 80P , Assembly: 306637003.
Product Rev	HPB5
Serial Number	B8NQ6X2M
Last Failure Reason	Timeout
<b>SCSI Port 1, Drive ID 3</b>	
Product Id	BD146863B3 Spare: 404708001, 146GB1 U320 10K 80P , Assembly: 306637003.
Product Rev	HPB5
Serial Number	B8NK5TKM
Last Failure Reason	Drive has not failed
<b>SCSI Port 1, Drive ID 4</b>	
Product Id	BD146863B3 Spare: 404708001, 146GB1 U320 10K 80P , Assembly: 306637003.
Product Rev	HPB5
Serial Number	B8NG6G8M
Last Failure Reason	Drive has not failed
<b>SCSI Port 1, Drive ID 5</b>	
Product Id	BD146863B3 Spare: 404708001, 146GB1 U320 10K 80P , Assembly: 306637003.
Product Rev	HPB5
Serial Number	B8NC48VM
Last Failure Reason	Drive has not failed

#### RIS DATA AREA

<b>SCSI Port 1, Drive ID 0:</b>							
RIS signature	ASTROS						
RIS hex dump	<table border="1"> <tbody> <tr> <td>Logical Drive Status</td> <td>State change, logical drive 00000002. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:18</td> </tr> <tr> <td>Logical Drive Status</td> <td>State change, logical drive 00000001. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:41</td> </tr> <tr> <td>Logical Drive Status</td> <td>State change, logical drive 00000000. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:46</td> </tr> </tbody> </table>	Logical Drive Status	State change, logical drive 00000002. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:18	Logical Drive Status	State change, logical drive 00000001. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:41	Logical Drive Status	State change, logical drive 00000000. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:46
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Logical Drive Status	State change, logical drive 00000000. Previous logical drive state: Logical drive ok. New logical drive state: Logical drive not configured. Old Spare Status: 00000000 New Spare Status: 00000000 07-09-2004 13:19:46						



Status	New logical drive state: Logical drive ready for recovery operation. Old Spare Status: 00000000 New Spare Status: 00000000 02-23-2007 08:22:30
Logical Drive Status	Rebuild aborted due to read error, logical drive 00000000. Replacement drive 2 Error drive 0 Big replacement drive 0x82 Big error drive 0x80 02-23-2007 08:22:30