Table of corrections in PRIMEQUEST 500A/500/400 Series Reference Manual: Tools/Operation Information (C122-E074-03EN)

2009/10/09

Erroneous descriptions that were found in the manual have been corrected as shown below.

No.	Page	Item	Description	
1	1-2	1.3 Hot Swapping of Hard Disk	Incorrect	- When the PRIMEQUEST hard disk is hot-swapped or hot-expanded, inserting the hard disk does not supply power to it. The SAF-TE operator command must be used to turn on the power.
			Correct	- When hot-swapping or hot-adding an IO Unit internal disk for the PRIMEQUEST server or a disk for the DN423 expansion file unit, simply inserting the hard disk will not allow power to be supplied to the hard disk. You always need to execute the pertinent SAF-TE operation command for power-on. In cases with the DE5300 expansion file unit, there is no need to perform a power-on operation with a SAF-TE operation command, because power is automatically supplied as soon as the hard disk is inserted.
2	1-8	1.3.1.2 Procedure for removal	Incorrect	3 Turn off the power with the SAF-TE operator command. Power-off processing by the SAF-TE operator command turns off the power to the hard disk, turns on the Fault LED (amber), and requests the OS to delete "sdc."
			Correct	3 Turn off the power with the SAF-TE operator command. Power-off processing by the SAF-TE operator command turns off the power to the hard disk, turns on the Fault LED (amber), and requests the OS to delete "sdc." (In cases with the DE5300, both the Fault LED (amber) and the Service Action Allowed LED (blue) will be turned on.)
3	1-12	1.3.1.3 Procedure for replacement (Except for failures in which the hard disk fails to respond)	Incorrect	3 Turn off the power with the SAF-TE operator command. Power-off processing by the SAF-TE operator command turns off the power to the hard disk, turns on the Fault LED (amber), and requests the OS to delete the target hard disk.
			Correct	3 Turn off the power with the SAF-TE operator command. Power-off processing by the SAF-TE operator command turns off the power to the hard disk, turns on the Fault LED (amber), and requests the OS to delete the target hard disk. (In cases with the DE5300, both the Fault LED (amber) and the Service Action Allowed LED (blue) will be turned on.)

<table>
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<tr><td rowspan="2">4</td><td rowspan="2">1-16,
1-17</td><td rowspan="2">1.3.1.4
Procedure for replacement (For failures in which the hard disk fails to respond)</td><td>Incorrect</td><td>- RHEL5/SUSE10
For PRIMEQUEST 580A/540A/580/540/480/440 IO unit built-in disk, or PRIMEQUEST 520A/520/420 expansion file unit
<pre>
/opt/FJSVpsa/bin/diskctrl -l
/dev/sg0
0 /dev/sda Power-On Fault LED-Off
1 /dev/sdb Power-On Fault LED-Off
/dev/sg1
0 /dev/sdc Power-On Fault LED-On ← (*)
1 /dev/sdd Power-On Fault LED-Off
</pre>
For PRIMEQUEST 520A/520/420 IO unit built-in disk</td></tr>
<tr><td>Correct</td><td>- RHEL5/SUSE10
For built-in disks in the PRIMEQUEST 580A/540A/580/540/480/440 IO unit and disks in the PRIMEQUEST 520A/520/420 expansion file unit (DN423)
<pre>
/opt/FJSVpsa/bin/diskctrl -l
/dev/sg0
0 /dev/sda Power-On Fault LED-Off
1 /dev/sdb Power-On Fault LED-Off
/dev/sg1
0 /dev/sdc Power-On Fault LED-On ← (*)
1 /dev/sdd Power-On Fault LED-Off
</pre>
For built-in disks in the PRIMEQUEST 520A/520/420 IO unit and disks in the PRIMEQUEST 520A/520/420 expansion file unit (DE5300)</td></tr>
<tr><td rowspan="2">5</td><td rowspan="2">1-17</td><td rowspan="2">1.3.1.4
Procedure for replacement (For failures in which the hard disk fails to respond)</td><td>Incorrect</td><td>3 When replacing the PRIMEQUEST 520A/520/420 IO unit built-in disk, proceed to step 4.</td></tr>
<tr><td>Correct</td><td>3 When replacing a built-in disk in the PRIMEQUEST 520A/520/420 IO unit or a disk in the DE5300, proceed to step 4.</td></tr>
<tr><td>6</td><td>1-18</td><td>1.3.1.4 Procedure for replacement (For failures in which the hard disk fails to respond)</td><td>Addition</td><td>3) Stop the diskdump service.
(Omitted)
Stop the sadump service.
<pre>
service sadump clean
</pre>Stop the diskdump service.
<pre>
service diskdump stop
</pre>Note:
Depending on the state of the hard disk to be replaced, an attempt to stop the diskdump service may fail. In such case, replace the disk after stopping the system once.</td></tr>
</table>

No.	Page	Item	Description	
7	1-39	1.8.2 Linux (Red Hat) backup	Addition	Notes on backing up the system volume - Before backing up the system volume, delete the restoresymtable file on the target partition, if such file exists. - The backup time will increase depending on the disk utilization and the number of files of the target partition. - Note that if backing up a disk partition in which an extremely large number of files is included in one directory, the restore time will increase exponentially. - Confirm that the path length for files to be backed up does not exceed 4094 characters before performing the backup. The restore will fail if there are any files with a path length exceeding 4095 characters.

<table>
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<tr><td rowspan="2">8</td><td rowspan="2">1-40</td><td rowspan="2">1.8.2.1
Backup when PRIMECLUSTER GDS is not used</td><td>Incorrect</td><td>3 Check file system label names.
<pre>
e2label /dev/sda2
</pre>Remarks:
Specifying the device mounted on /boot/efi will result in an error, this error occurs because the file system is different. That does not cause a problem because "boot/efi" is not defined as a label name, checking it is not required.</td></tr>
<tr><td>Correct</td><td>3 Check file system label names.
<pre>
e2label /dev/sda2
dosfslabel /dev/sda1
</pre>Remarks:
You can check the label name of /boot/efi by using the dosfslabel command. The dosfslabel command is not available on systems running RHEL4U4 or earlier, but the label name of /boot/efi need not be checked on these systems since they have no defined label names.
To check the label names of other ext2 or ext3 file systems, use the e2label command.
To check the label names of swap partitions, use the /etc/fstab file.</td></tr>
<tr><td rowspan="2">9</td><td rowspan="2">1-42</td><td rowspan="2">1.8.2.1
Backup when PRIMECLUSTER GDS is not used</td><td>Incorrect</td><td>(1) Switch to single-user mode
To perform the backup, the user must deactivate all processes except those required to perform it. This is to secure file matching.
To enter this state, switch to single-user mode.
- When the system is already active
1 Log in with the root directory.
2 Stop running applications.
3 Switch to run level 1 (single-user mode).
<pre>
init 1
</pre>- When the system is in a stopped state
1 Start the system.
When the EFI boot manager menu appears, select the name of the system to be started (such as Red Hat Enterprise Linux).</td></tr>
<tr><td>Correct</td><td>(1) Switch to single-user mode
To perform the backup, the user must deactivate all processes except those required to perform it. This is to secure file matching.
To enter this state, switch to single-user mode.
If the system is already active, restart it.
If the system is in a stopped state, start it up. The EFI boot manager menu appears at restart or startup. Select the name of the system to start (such as Red Hat Enterprise Linux).</td></tr>
</table>

No.	Page	Item	Description	

10	1-43	1.8.2.1
		Backup when PRIMECLUSTER GDS is not used
			Incorrect	(2) Check file system matching
				To check whether the file system to be backed up is normal, check its match.
				The file system that needs to be checked is ext3 (or ext2). "/boot/efi" and swap need not be checked.
				- For location other than "/" (root), "/boot/efi," and swap
				1 Demount the file system to be backed up.
				`# cd /`
				`# umount /work`
				2 Check the matching of the demounted file system.
				`# e2fsck -pfv /dev/sda4`
				Note:
				Do not execute the e2fsck command if the umount command produces an error.
				If the e2fsck command is executed with the file system mounted, the selected volume may be damaged.
				- For "/" (root)
				1 Remount the "/" file system in Read-Only mode.
				`# mount -r -n -o remount /`
				2 Check the matching of the file system.
				`# e2fsck -pfv /dev/sda2`
				3 Remount the file in normal state.
				`# mount -w -n -o remount /`
				Note:
				Do not execute the e2fsck command if the mounting in Read-Only mode fails.
				If the e2fsck command is executed with the file system mounted as write-enabled, the selected volume may be damaged.

No.	Page	Item	Description	

10	1-43	1.8.2.1
		Backup when PRIMECLUSTER GDS is not used
			Correct	(2) Check file system matching
				To check whether the file system to be backed up is normal, check its match. The file system that needs to be checked is ext3 (or ext2). "/boot/efi" and swap need not be checked.
				- For a file system that can be demounted, such as "/work"
				1 Demount the file system to be backed up.
				`# cd /`
				`# umount /work`
				Note:
				Do not execute the e2fsck command if the umount command resulted in an error. If the e2fsck command is executed with the file system mounted, the volume to be checked may be damaged. Referring to (1), "Switch to single user mode" under "Backup" in Section 1.8.2.1, "Backup when PRIMECLUSTER GDS is not used," restart the system in single-user mode, and execute the command again.
				2 Check the matching of the demounted file system.
				`# e2fsck -nfv /dev/sda4`
				Note:
				After a file system error is detected, start up the rescue system from the RHEL installation CD-ROM disk, and restore the file system. For details on starting up the rescue system, see "(2) Start up the system in Rescue mode" in Section 1.8.3.1, "Restoration when PRIMECLUSTER GDS is not used."
				- For a file system that cannot be demounted, such as "/" (root)
				1 Remount the "/" file system in Read-Only mode.
				`# mount -r -n -o remount /`
				Note:
				Do not execute the e2fsck command if mounting for read-only access resulted in an error. If the e2fsck command is executed with the file system mounted in a state where writing to the file system is possible, the volume to be checked may be damaged. Referring to "(1) Switch to single-user mode" under "Backup" in Section 1.8.2.1, "Backup when PRIMECLUSTER GDS is not used," restart the system in single-user mode, and execute the command again.
				2 Check the matching of the file system.
				`# e2fsck -nfv /dev/sda2`
				Note:
				After a file system error is detected, start up the rescue system from the RHEL installation CD-ROM disk, and restore the file system. For details on starting up the rescue system, see "(2) Start up the system in Rescue mode" in Section 1.8.3.1, "Restoration when PRIMECLUSTER GDS is not used."
				3 Remount the file in normal state.
				`# mount -w -n -o remount /`

No.	Page	Item	Description	
11	1-47	1.8.3 Linux (Red Hat) restoration	Addition	Notes on restoring the system volume - When restoring the system volume, note that the integrity of the system and data must be maintained. - Delete the restoresymtable file created in the restored partition after all partition restore steps are completed. The restore process will fail to continue if the restoresymtable file is deleted before the restore process is completed. If this occurs, you will have to perform the restore procedure again from the beginning.

12	1-50
	to
	1-51
		1.8.3.1
		Restoration when PRIMECLUSTER GDS is not used
			Incorrect	(5) Format the partitions
				Format the partitions (vfat, ext3(ext2), and swap) on the disk.
				The following indicates a format example for each partition type.
				- vfat format
				`-/bin/sh-3.00# mkfs.vfat /dev/sda1`
				- ext3 format
				After the file system is formatted, set the label name of the file system.
				`-/bin/sh-3.00# mkfs.ext3 /dev/sda2`
				`-/bin/sh-3.00# e2label /dev/sda2 /`
				- ext2 format
				After the file system is formatted, set the label name of the file system.
				`-/bin/sh-3.00# mkfs.ext2 /dev/sda2`
				`-/bin/sh-3.00# e2label /dev/sda2 /`
				- For swap partition
				`-/bin/sh-3.00# mkswap /dev/sda3`

No.	Page	Item	Description	

12	1-50
	to
	1-51
		1.8.3.1
		Restoration when PRIMECLUSTER GDS is not used
			Correct	(5) Format the partitions
				Format the partitions (vfat, ext3(ext2), and swap) on the disk.
				The following indicates a format example for each partition type.
				- vfat format
				`-/bin/sh-3.00# mkfs.vfat /dev/sda1`
				`-/bin/sh-3.00# dosfslabel /dev/sda1 /boot/efi`
				Remarks:
				The dosfslabel command in the above example is not available on systems running RHEL4U4 or earlier. To check the label name assigned to /boot/efi, use the dosfslabel command according to "(2) Check the disk configuration" under "Preparation" in Section 1.8.2.1, "Backup when PRIMECLUSTER GDS is not used."
				- ext3 format
				After the file system is formatted, set the label name of the file system.
				`-/bin/sh-3.00# mkfs.ext3 /dev/sda2`
				`-/bin/sh-3.00# e2label /dev/sda2 /`
				Also, disable the dir_index option for the ext3 file system as follows.
				1 Check for dir_index in the "Filesystem features" list for each file system.
				`-/bin/sh-3.00# tune2fs -l /dev/sda2 | grep features`
				`Filesystem features: has_journal ext_attr resize_inode`
				`dir_index filetype needs_recovery sparse_super …`
				2 Execute the following command to disable dir_index.
				-/bin/sh-3.00# tune2fs -O ^dir_index /dev/sda2

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				3 Confirm that dir_index is no longer listed.
				`-/bin/sh-3.00# tune2fs -l /dev/sda2 | grep features`
				`Filesystem features: has_journal ext_attr resize_inode filetype needs_recovery sparse_super ...`
				- ext2 format
				After the file system is formatted, set the label name of the file system.
				`-/bin/sh-3.00# mkfs.ext2 /dev/sda2`
				`-/bin/sh-3.00# e2label /dev/sda2 /`
				- For swap partition
				Format the swap partition as shown in the following example.
				`-/bin/sh-3.00# mkswap -L <Label-Name> /dev/sda3`
				Remarks:
				If a label name is not set for the swap partition, a label name needs not to be set with the -L option. Format the swap partition as shown in the following example.
				`-/bin/sh-3.00# mkswap /dev/sda3`
				To check the label name assigned to /boot/efi, use the dosfslabel command according to "(2) Check the disk configuration" under "Preparation" in Section 1.8.2.1, "Backup when PRIMECLUSTER GDS is not used."

13	1-52	1.8.3.1
		Restoration when PRIMECLUSTER GDS is not used
			Incorrect	- Using a locally connected tape unit:
				1 Prepare the tape unit.
				See the mt command manuals for details.
				- Tape unit state information display
				`-/bin/sh-3.00# mt -f /dev/nst0 status`
				- Tape rewind
				`-/bin/sh-3.00# mt -f /dev/nst0 rewind`
				- Move the head to the first block of the next file.
				`-/bin/sh-3.00# mt -f /dev/nst0 fsf`

<table>
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<tr><td></td><td></td><td>1.8.3.1
Restoration when PRIMECLUSTER GDS is not used</td><td>Correct</td><td>- Using a locally connected tape unit:
1 Prepare the tape unit.
See the mt command manuals for details.
- Create the tape unit
If you do not want to check the tape unit, execute the following commands.
<pre>-/bin/sh-3.00# mknod /tmp/st0 c 9 0
-/bin/sh-3.00# mknod /tmp/nst0 c 9 128</pre>If you executed the above commands, read "/tmp/nst0" for every "/dev/nst0" in the following procedure.
- Tape unit state information display
<pre>-/bin/sh-3.00# mt -f /dev/nst0 status</pre>- Tape rewind
<pre>-/bin/sh-3.00# mt -f /dev/nst0 rewind</pre>- Move the head to the first block of the next file.
<pre>-/bin/sh-3.00# mt -f /dev/nst0 asf <File number +1></pre>Note:
<File-number + 1> is the file number before the execution of the restore command incremented by 1.</td></tr>
<tr><td>14</td><td>3-45</td><td>3.5
Hot Plugging a SCSI Card (FC Card)</td><td>Addition</td><td>- Hot plugging a Fibre Channel card in a system in which HBAnyware is installed
If a Fibre Channel card is added while the HBAnyware-related service "ElxRMSrv" is in the process of being started in a system in which HBAnyware is installed, a system panic will occur when the system is rebooted or shut down later.
Remarks:
- This symptom occurs only when the installed OS is RHEL-AS4 (IPF).
- HBAnyware is a Fibre Channel card management utility of Emulex.

Follow the procedure below for hot plugging a Fibre Channel card while ElxRMSrv is in the process of being started:
1 Stop the ElxRMSrv service.
<pre># service ElxRMSrv stop</pre>2 Execute hot plugging of the Fibre Channel card.
3 Restart the ElxRMSrv service.
<pre># service ElxRMSrv start</pre></td></tr>
</table>

No.	Page	Item	Description	
15	3-54	3.5.2.3 Swapping procedure	Incorrect	1 In RHEL-AS4 (IPF), perform the necessary preprocessing. In RHEL5 (IPF), this operation is not required. Referring to 3.5.2.2, "Removal procedure," perform the same operations as those for removal. 2 Turn off power to the target PCI slot (*). For details, see Section 3.2.3, "Power operation procedure." 3 Swap the PCI card. 4 Connect the FC cable. 5 Turn on power to the PCI slot (*). For details, see Section 3.2.3, "Power operation procedure." 6 Perform the necessary post-processing. Referring to 3.5.2.1, "Addition procedure," perform the same operations as those for addition.
		3.5.2.3 Swapping procedure	Correct	1 In RHEL-AS4 (IPF), perform the necessary preprocessing. In RHEL5 (IPF), this operation is not required. Referring to 3.5.2.2, "Removal procedure," perform the same operations as those for removal. 2 Turn off power to the target PCI slot (*). For details, see Section 3.2.3, "Power operation procedure." 3 Swap the PCI card. 4 Make WWN and host affinity settings for the replacement card for the ETERNUS device. For details of the WWN and host affinity settings, see the ETERNUS manual. 5 Connect the FC cable. 6 Turn on power to the PCI slot (*). For details, see Section 3.2.3, "Power operation procedure." 7 Perform the necessary post-processing. Referring to 3.5.2.1, "Addition procedure," perform the same operations as those for addition.
16	4-13	4.1.4 Items automatically set during PSA installation	Incorrect	(Omitted) - Addition of settings to syslog.conf - Addition of settings to snmpd.conf - snmptrapd.conf file setup - Disabling of salinfo or salinfo_decode automatic startup setting (*1) - Disabling of smartd automatic startup setting - Addition of description to the services file (*2) *1 These automatic startup settings are disabled because of conflicts with some PSA functions. *2 Added port: Port numbers are not checked for duplication when contents are added to the fj-webgate (24450) services file. They may need to be changed.

No.	Page	Item	Description	
16	4-13	4.1.4 Items automatically set during PSA installation	Correct	(Omitted) - Addition of the settings to syslog.conf file - Addition of the settings to snmpd.conf file - Addition of the settings to snmptrapd.conf file - Disabling of salinfo or salinfo_decode automatic startup setting (*1) - Disabling of smartd automatic startup setting (*1) - Addition of the settings to the services file (*2) - Correction of device types in the scsi.agent file (PSA1.16.2-xRHEL4 or later) (*3) - Addition of the settings to crontab file (PSA1.3.x-xRHEL4 to PSA1.6.x-xRHEL4) - Changing of snmptrapd boot option *1 These automatic startup settings are disabled because of conflicts with some PSA functions. *2 Added port: Port numbers are not checked for duplication when the settings are added to the fj-webgate (24450) services file. Change them as necessary. *3 Corrections are made only for RHEL-AS4 (IPF).
17	4-13	4.1.8 PSA update installation	Addition	- Items automatically set during PSA update During PSA update, the following modifications required for PSA operation are automatically put into effect: - Correction of device types in the scsi.agent file (from PSA1.16.1-xRHEL4 or earlier to PSA1.16.2-xRHEL4 or later) - Deletion of the settings from crontab file (when PSA between PSA1.3.x-xRHEL4 and PSA1.6.x-xRHEL4 is updated to PSA1.7.x-xRHEL4 or later) - Changing of snmptrapd boot option (PSA1.19.1-x or later)
18	4-21	4.1.10 PSA uninstallation	Addition	- Items automatically set during uninstallation During PSA uninstallation, the following modifications are automatically put into effect: - Deletion of the settings from syslog.conf file - Deletion of the settings from snmpd.conf file - Deletion of the settings from snmptrapd.conf file - Enabling of the salinfo or salinfo_decode automatic startup setting - Enabling of the smartd automatic startup setting - Deletion of the settings from services file - Deletion of the settings from crontab file (PSA1.3.x-xRHEL4 to PSA1.6.x-xRHEL4) - Changing of snmptrapd boot option

No.	Page	Item	Description	
19	4-30	4.2.4 Items automatically set during PSA installation	Incorrect	(Omitted) - Addition of settings to syslog.conf - Addition of settings to snmpd.conf - snmptrapd.conf file setup - Disabling of salinfo or salinfo_decode automatic startup setting (*1) - Disabling of smartd automatic startup setting - Addition of description to the services file (*2) *1 These automatic startup settings are disabled because of conflicts with some PSA functions. *2 Added port: Port numbers are not checked for duplication when contents are added to the fj-webgate (24450) services file. They may need to be changed.
			Correct	(Omitted) - Addition of the settings to syslog.conf file - Addition of the settings to snmpd.conf file - Addition of the settings to snmptrapd.conf file - Disabling of salinfo or salinfo_decode automatic startup setting (*1) - Disabling of smartd automatic startup setting (*1) - Addition of the settings to the services file (*2) - Correction of device types in the scsi.agent file (PSA1.16.2-xRHEL4 or later) (*3) - Addition of the settings to crontab file (PSA1.3.x-xRHEL4 to PSA1.6.x-xRHEL4) - Changing of snmptrapd boot option *1 These automatic startup settings are disabled because of conflicts with some PSA functions. *2 Added port: Port numbers are not checked for duplication when the settings are added to the fj-webgate (24450) services file. Change the as necessary. *3 Corrections are made only for RHEL-AS4 (IPF).
20	4-37	4.2.8 PSA update installation	Addition	- Items automatically set during PSA update During PSA update, the following modifications required for PSA operation are automatically put into effect: - Correction of device types in the scsi.agent file (from PSA1.16.1-xRHEL4 or earlier to PSA1.16.2-xRHEL4 or later) - Deletion of the settings from crontab file (when PSA between PSA1.3.x-xRHEL4 and PSA1.6.x-xRHEL4 is updated to PSA1.7.x-xRHEL4 or later) - Changing of snmptrapd boot option (PSA1.19.1-x or later)

No.	Page	Item	Description	
21	4-38	4.2.10 PSA uninstallation	Addition	- Items automatically set during uninstallation During PSA uninstallation, the following modifications are automatically put into effect: - Deletion of the settings from syslog.conf file - Deletion of settings from snmpd.conf file - Deletion of the settings from snmptrapd.conf file - Enabling of salinfo or salinfo_decode automatic startup setting - Enabling of the smartd automatic startup setting - Deletion of the settings from the services file - Deletion of the settings from crontab file (PSA1.3.x-xRHEL4 to PSA1.6.x-xRHEL4) - Changing of snmptrapd boot option
22	4-57	4.3.4 Items automatically set during PSA installation	Incorrect	(Omitted) - Addition of settings to syslog.conf - Addition of settings to snmpd.conf - snmptrapd.conf file setup. - Disabling of salinfo_decode automatic startup setting (*1) - Disabling of smartd automatic startup setting - Addition of description to the services file (*2) *1 These automatic startup settings are disabled because of conflicts with some PSA functions. *2 Added port: Port numbers are not checked for duplication when contents are added to the fj-webgate (24450) services file. They may need to be changed.
			Correct	(Omitted) - Addition of the settings to syslog.conf file - Addition of the settings to snmpd.conf file - Addition of the settings to snmptrapd.conf file - Disabling of salinfo_decode automatic startup setting (*1) - Disabling of smartd automatic startup setting (*1) - Addition of the settings to the services file (*2) - Changing of snmptrapd boot option *1 These automatic startup settings are disabled because of conflicts with some PSA functions. *2 Added port: Port numbers are not checked for duplication when the settings are added to the fj-webgate (24450) services file. Change them as necessary.

No.	Page	Item	Description	
23	4-66	4.3.8 PSA uninstallation	Addition	- Items automatically set during uninstallation During PSA uninstallation, the following modifications are automatically put into effect: - Deletion of the settings from syslog.conf file - Deletion of the settings from snmpd.conf file - Deletion of the settings from snmptrapd.conf file - Enabling of salinfo_decode automatic startup setting - Enabling of the smartd automatic startup setting - Deletion of the settings from the services file - Changing of snmptrapd boot option

No.	Page	Item	Description	
24	9-2	Chapter 9 MIB Tree Provided by PRIMEQUEST	Addition	

The contents of the MIB files provided with PRIMEQUEST are described below.

MIB file		Use	Partition OS	Information source	Description
MMB-MIBs/	MMB-COM-MIB.txt	Reference	-	MMB firmware	MIB information on hardware configuration of entire cabinet, etc.
	MMB-ComTrap-MIB.txt	Monitoring	-	MMB firmware	MIB information (MMB SEL event) for monitoring hardware problems in entire cabinet
PSA-MIBs/	PSA-COM-MIB.txt	Reference	Linux/ Windows	PSA	MIB information on hardware configuration, such as which PCI cards belong to partition
	PSA-LIN-MIB.txt	Reference	Linux	PSA	MIB information such as Linux information
	PSA-WIN-MIB.txt	Reference	Windows	PSA	MIB information such as Windows information
	PSA-ComTrap-MIB.txt	Monitoring	Linux/ Windows	PSA	MIB information for SMART event monitoring
	PSA-LinLanComTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for shared event monitoring of LAN
	PSA-LinIntelE100Trap-MIB.txt	Monitoring	Linux	PSA	MIB information for built-in management LAN card (E-100) event monitoring
	PSA-LinIntelE1000Trap-MIB.txt	Monitoring	Linux	PSA	MIB information for extended LAN card (E1000) event monitoring
	PSA-LinIntelE1000ETrap-MIB.txt	Monitoring	Linux	PSA	MIB information for extended LAN card (E1000E) event monitoring
	PSA-LinBcm5700Trap-MIB.txt	Monitoring	Linux	PSA	MIB information for internal GbE card (Broadcom) event monitoring
	PSA-LinTg3Trap-MIB.txt	Monitoring	Linux	PSA	MIB information for internal GbE card (Broadcom) event monitoring
	PSA-LinXframe2Trap-MIB.txt	Monitoring	Linux	PSA	MIB information for extended LAN card (10GbE) event monitoring
	PSA-LinEmulexTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for FC card event monitoring
	PSA-LinLsiLogicTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for SCSI card event monitoring
	PSA-LinScsiComTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for SCSI device (disk, tape device, etc.) event monitoring
	PSA-LinGrmpdTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for MultipathDriver detection event monitoring
	PSA-LinGdsTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for GDS detection event monitoring
	PSA-LinGlsTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for GLS detection event monitoring
	PSA-LinIbTrap-MIB.txt	Monitoring	Linux	PSA	MIB information for IB card event monitoring
	PSA-WinIntelE100Trap-MIB.txt	Monitoring	Windows	PSA	MIB information for built-in management LAN card (E-100) event monitoring
	PSA-WinIntelE1000Trap-MIB.txt	Monitoring	Windows	PSA	MIB information for extended LAN card (E1000) event monitoring
	PSA-WinBcm5700Trap-MIB.txt	Monitoring	Windows	PSA	MIB information for internal GbE card (Broadcom) event monitoring
	PSA-WinXframe2Trap-MIB.txt	Monitoring	Windows	PSA	MIB information for extended LAN card (10 GbE) event monitoring
	PSA-WinEmulexTrap-MIB.txt	Monitoring	Windows	PSA	MIB information for FC card event monitoring
	PSA-WinLsiLogicTrap-MIB.txt	Monitoring	Windows	PSA	MIB information for SCSI card event monitoring
	PSA-WinDiskTrap-MIB.txt	Monitoring	Windows	PSA	MIB information for disk event monitoring
	PSA-WinDiskMirrorTrap-MIB.txt	Monitoring	Windows	PSA	MIB information for PSDM detection event monitoring
	PSA-ExternalFileUnitTrap-MIB.txt	Monitoring	Windows	PSA	MIB information for expanded file unit (DN423/DE5300) event monitoring
GSWB-MIBs/	GSWB-PRIVATE-MIB.txt	Reference/ Monitoring	-	GSWB firmware	MIB information on GSWB settings, etc. * Valid only for PQ480/440/580/540/580A/540A

(End of table)