



C120-E091-25ENZ2(B)

System Console Software 2.6.1

Release Notes



FUJITSU



Preface

This document provides the notes for use when a GP7000F Model 200, PRIMEPOWER100/200/250 or similar equipment is used as a System Management Console (SMC). Ensure that you read these notes when installing the System Console Software (SCS).

Chapter1 Before installing the System Console Software

Please note the following requirements for the SMC.

- Memory: 256 MB or more
- Hard Disk:9.1 GB or more
- More than two PCI slots
- CD-ROM or DVD-ROM drive
- DAT device (DDS-3 or DDS-4 or DAT72 standard)
- A Sun compatible keyboard
- Display
 - Resolution: 1152 x 900 or 1280 x 1024
 - Connector standard: D-sub15pin or 13W3
- Standard PCI cards
 - One PGX32 Color Frame Buffer.
Or
One PGX64 Color Frame Buffer.
Or
One XVR-100 Graphics Accelerator.
 - One or two Fast Ethernet card(s) (When PRIMEPOWER200 is used as the SMC).
Or
Quad Fast Ethernet card (When PRIMEPOWER200 is used as the SMC. card of PW-type).
Or
Quad Fast Ethernet card (When PRIMEPOWER100 is used as the SMC).
Or
Quad Fast Ethernet card (When PRIMEPOWER250 is used as the SMC).
Or
Quad Gigabit Ethernet card (When PRIMEPOWER250 is used as the SMC).

Ensure that the PCI cards are installed in their correct positions, and that all cabling is correct. Incorrect mounting of PCI cards and cable connections may cause operational difficulties.

When PRIMEPOWER200 (or GP7000F Model 200) is used as the SMC, the PCI slot positions are fixed as follows:

Slot #	Type of PCI card
PCI1	FastEthernet card (If the redundant System Control Facility is installed, this card is needed for the redundant system control LAN.)
PCI3	FastEthernet card (For the basic system control LAN)
PCI4	PGX32 or PGX64 Color Frame Buffer

Slot #	Type of PCI card
PCI3	Quad Fast Ethernet card (card of PW-type)
PCI4	PGX32 or PGX64 Color Frame Buffer

When PRIMEPOWER100 is used as the SMC, the PCI slot positions are fixed as follows:

Slot #	Type of PCI card
PCI1	Quad Fast Ethernet card
PCI3	PGX32 or PGX64 Color Frame Buffer

When PRIMEPOWER250 is used as the SMC, the PCI slot positions are fixed as follows:

Slot #	Type of PCI card
PCI5	Quad Fast Ethernet card (card of PW-type)
PCI4	PGX64 Color Frame Buffer

Slot #	Type of PCI card
PCI5	XVR-100 Graphics Accelerator
PCI4	Quad Fast Ethernet card (card of PW-type)

Slot #	Type of PCI card
PCI5	XVR-100 Graphics Accelerator
PCI4	Quad Gigabit Ethernet card (card of PW-type)

In System Management Console, the network interface is used as follows.

PRIMEPOWER 100 SMC and Quad Fast Ethernet card (card of X-type)

Interface	Used for
eri0	This interface is used to connect SMC and Each partition of Server.
qfe0, qfe1	These interfaces are used to control System LAN.
qfe2, qfe3	Please use the port here when you use REMCS agent's function.

PRIMEPOWER 100 SMC and Quad Fast Ethernet card (card of PW-type)

Interface	Used for
eri0	This interface is used to connect SMC and Each partition of Server.
fqe0, fjqe1	These interfaces are used to control System LAN.
fjqe2, fjqe3	Please use the port here when you use REMCS agent's function.

PRIMEPOWER 200 SMC and FastEthernet card

Interface	Used for
hme0	This interface is used to connect SMC and Each partition of Server.
hme1, hme2	These interfaces are used to control System LAN.

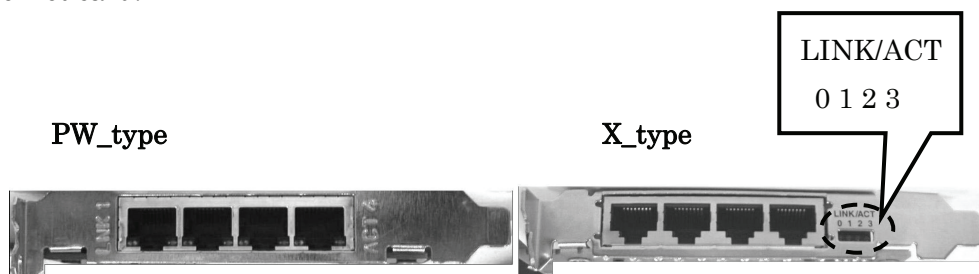
PRIMEPOWER 200/250 SMC and Quad Fast Ethernet card (card of PW-type)

Interface	Used for
hme0	This interface is used to connect SMC and Each partition of Server.
fjqe1, fjqe2	These interfaces are used to control System LAN.
fjqe3, fjqe4	Please use the port here when you use REMCS agent's function.

PRIMEPOWER 250 SMC and Quad Gigabit Ethernet card (card of PW-type)

Interface	Used for
hme0	This interface is used to connect SMC and Each partition of Server.
fjgi0, fjgi1	These interfaces are used to control System LAN.
fjgi2, fjgi3	Please use the port here when you use REMCS agent's function.

Please refer to the following for the Quad FastEthernet card and Quad Gigabit Ethernet card.



An internal DAT device is needed to back up the SMC settings. The `sclbackup` command should be used to perform this task. This command only performs the back up of the SMC settings from hard disk to DAT cassette.

Please refer to “PRIMEPOWER/GP7000F System Management Console (SMC) User’s Manual” for correct cabling instructions.

Also refer to the manual supplied with each items of equipment when handling the SMC server platform, PCI adapter cards, internal devices or any other hardware.

The SMC can install the following software:

1. Solaris™ 7 Operating System (PRIMEPOWER200 only)
2. Solaris™ 8 Operating System
3. Solaris™ 9 Operating System
4. Solaris™ 10 Operating System
5. System Console Software
6. Acrobat Reader (ver 4.0 or later)
7. Netscape Communicator (ver 4.5 or later)
8. Patches (For example, Recommended Patches issued by Fujitsu or a Fujitsu subsidiary company.)
9. Plus any application software that the hardware vendor of the PRIMEPOWER/GP7000F series recommends.

For installation of items 1-4 refer to “PRIMEPOWER/GP7000F System Management Console (SMC) User’s Manual”. For items 5 and 6 refer to the notes supplied with the software.

Software required to support the use of the SMC is included. Make sure that the Enhanced Support Facility is not installed.

The use of the Enhanced Support Facility with the SMC will mean the SMC cannot function correctly as the PRIMEPOWER800/1000/2000/900/1500/2500/HPC2500 or GP7000F Model 1000/2000 controller.

Please refer to "Appendix E PRIMEPOWER250 SMC Preinstall information" about pre-installation information of PRIMEPOWER250SMC (System Management Console).

About products other than PRIMEPOWER250SMC, please refer to "CHAPTERT4 Installing the SMC" in "PRIMEPOWER XXXX Installation Guide" (XXXX:Model name).

Chapter2 Disk slice

For the System Console Software to operate and correctly control and monitor the status of PRIMEPOWER800/1000/2000/900/1500/2500/HPC2500 or GP7000F Model 1000/2000, the SMC sets up two disk slices. These are used for the various large logs of the PRIMEPOWER or GP7000F. If the SMC's disk is divided in another slice pattern, the SMC cannot function correctly (For example, causing hard disk overflow).

How to slice the disk is shown below.

When the internal disk is less than 10GB.

Slice	Mount Point	Size (MB)
0	/ (root)	overlap - (swap+20)
1	swap	256
2	overlap	All
3		
4		
5		
6		
7		

When the internal disk is 18GB or 20GB.

Slice	Mount Point	Size (MB)
0	/ (root)	overlap - (swap+64)
1	swap	2048
2	overlap	All
3		
4		
5		
6		
7		

When the internal disk is more than 36GB.(*1)

Slice	Mount Point	Size (GB)
0	/ (root)	20
1	swap	4
2	overlap	All
3		
4		
5		
6		
7		

*1) Please allocate the remain capacity freely.

Please refer to appendix D for the method of adding the swap space.

Chapter3 Outline functions of SCS 2.6.1

No.	Component	Package name	Function
1	Console Information	FJSVscs	The version information of each components of the System Console Software.
2	Machine Administration	FJSVcsl FJSVkcs1 FJSVccsl	The system control management or the system status patrol of the server.
		FJSVmadm FJSVmand FJSVpmnd FJSVmasv FJSVmaom	Supports system operation and maintenance depending on the platform used by the SMC.
3	Online Manual	FJSVcslom	Online manual of the System Console Software. (HTML format)
4	Automatic Power Control	FJSVapcs	Automatic power control of the server.
5	Partition Installer	FJSVclis	Supplementary tool to install OS and product in the partition of the server.
6	RC2000	FJSVrcon	Control of the remote console screen for each partition of the server.
7	Dump Control	FJSVdmp	Retention and management of dumps for each partition of the server.
8	System Data Output tool	FJSVsnap	Collects data in the SMC, of command execution results plus hardware and software configuration, environment settings, logs, and operation status, then outputs that system information for system fault analysis to a backup tape device.
9	SMC Assistance	FJSVscsl	Supplementary tool of the SMC.
10	SCF driver (SMC exclusive use)	FJSVscd FJSVscdx FJSVscr FJSVscu	RAS control device driver. (*1)
		FJSVlscd FJSVlscdx FJSVlscr FJSVlscu	RAS control device driver. (*2)
		FJSViomp FJSVpscd FJSVpscr FJSVpsc u	RAS control device driver. (*3)
11	Web-Based Admin View/ WWW Server for Admin View	FJSVwvbs	WWW server for Web-Based Admin View.
		FJSVwvcnf	Web Communication base for Web application.
		FJSVwvdl	Download tool for Web-Based Admin View
12	SMC Default Configuration	FJSVdef	Prevents file system capacity shortage due to expansion of the system log.

No.	Component	Package name	Function
13	Validation Test System	FJSVvts	Online diagnosis test of SMC.
		SUNWvts	
		SUNWvtsmn	
		SUNWvtsx	
14	Panel control driver	FJSVpnlx	Device driver for panel control. (*3)
		FJSVpnl	
15	Java version RC2000	FJSVrcon2	RC2000 function is offered with Java. (*5)
		FJSVrcond	The download function of RC2000 package from WevView is offered. (*5)
		FJSVrcone FJSVrconm	Online manual of the RC2000 User's Guide. (HTML format) (*5)
16	HRM-Server system operation support	FJSVhrmsc	This function supports maintenance work without a mistake early for the purpose of stable operation of a system. (This function supports Japanese environment only.) (*4)
17	Tape Driver Configuration Tool	FJSVdcnf	This function adds configuration parameter of target tape device automatically.

*1: GP7000F Model 200 or PRIMEPOWER200 only

*2: PRIMEPOWER 100 SMC only

*3: PRIMEPOWER 250 SMC only

*4: PRIMEPOWER 100/200/250 SMC only

*5: Only when "javarc" option is specified, it is installed.

Chapter4 New distribution function

[About the latest manual]

To see the latest manuals for System Console Software, please visit the following URL.

<http://www.fujitsu.com/global/support/software/manual/>

Note) Manuals included in System Console Software CD-ROM (main CD) and Additional CD-ROM Axx are not up-to-date.

SCS2.6.1

- (1) New CPU (1.65GHz) and new I/O (Quad Gigabit Ethernet (PW-type)) are supported on PRIMEPOWER250SMC.
- (2) Java™ 2 Runtime Environment Standard Edition Version 1.3.1_17 is supported.
- (3) An English menu and messages are improved.
- (4) The following function of partition_setup is supported.
 - When Solaris™ 10 OS is installed with the partition installer, GR multipass driver of the temporary boot can be set.

SCS2.6

- (1) For Solaris™ 10 OS.
- (2) Addition of ACFAIL occerd message level modification function.
- (3) A new function Security enhancement setting of OS console connection is supported.
- (4) The get_console (1M) command which operates the OS console is supported.
- (5) The following function of partition_setup is supported.
 - Two or more products can be batch installed with Solaris™ 10 OS in addition to Enhanced Support Facility.
- (6) SMF (Service Management Facility) of NTP daemon is supported.
- (7) The following Web browser of Web-Based Admin View client is supported.
 - Solaris™ Workstation
 - Web browser : Mozilla Web browser (Java bundled in Solaris™ 10 OS)

Note) However, only when you use Solaris™ 10 OS.
and, it use Java™ 2 Runtime Environment, Standard Edition Version 1.4.2.
- (8) The following bugs are fixed in SCS 2.6

FJSVclis

- OS installation might be begun while executing temporary boot.
- Configuration scripts is not executed with reference settings.
- When the product is installed before Solaris™ 7 OS, the error of umount command is outputed.

FJSVrcon

- The log information extraction library returns an option error and can not extract the log when 16 or lager is specified for the device number.

SCS2.5.1

- (1) Improvement of NTP daemon starting conditions of the System Management Console.
- (2) Tape driver definition setting function is supported.
- (3) The function to notify of the path disconnection in non-redundant Console Connection Unit configuration is supported.

Note) Please refer to the Notes on the SMC No.39 when you use Solaris™ 7 OS on the partition.

- (4) When Remote Cabinet Interface (RCI) Network is not constructed, the function to control turning on the power supply is added on PRIMEPOWER900/1500/2500/HPC2500.
- (5) An English menu is improved.
- (6) The following bugs are fixed in SCS 2.5.1

FJSVscsl

- Executing scslownerinfo command, unnecessary characters in username, if comment field of /etc/passwd file is including spaces.

FJSVccsl

- The Hot Swap Maintenance of FAN/FEP installed in Dual Power Cabinet cannot be done on 64CPU model of PRIMEPOWER2500/HPC2500.
- The Hardware Configuration Displays of FAN installed in Dual Power Cabinet is wrong on 64CPU model of PRIMEPOWER2500/HPC2500.

FJSVcsl

- The System Network IP Address Modification menu might terminate abnormally when the menu is continuously executed.
- The RCI Device Status-Check Timeout Administration menu might be able to be used though it is a system to which the function of the menu is invalid.

FJSVkcsl

- System Network Activation menu execution for multiple nodes might fail in

GP7000F model 1000/2000, PRIMEPOWER800/1000/2000.

SCS2.5

- (1) New I/O (XVR-100, DAT72) is supported on PRIMEPOWER250SMC.
- (2) The CPU Frequency 1.89GHz SPARC64-V supported on PRIMEPOWER900/1500.
- (3) PCI/DISKBOX Maintenance menu was modify on PRIMEPOWER900/1500/2500/HPC2500.
- (4) The messages of exchange failure in the Maintenance/Swapping Administration menu was modified on PRIMEPOWER1500/2500/HPC2500.
- (5) The CPU Frequency 1.82GHz/2.08GHz SPARC64-V supported on PRIMEPOWER2500/HPC2500.
- (6) The warning message at the time of the omission in RASDB registration is added on PRIMEPOWER2500/HPC2500.
- (7) Systemwalker Resource Coordinator V12.0 correspondence. In partition_setup and Java version RC2000, it corresponds so that it can be used with Systemwalker Resource Coordinator V12.0 environment.
- (8) The following functions of partition_setup are supported.
 - Installation of Solaris10 is supported.
 - Temporary boot is assumed to be unnecessary.
 - Revokable is made the priority of the installation script.
 - The CD image can be copied to the product of two or more piece CD composition.
 - Improvement of selection method and product installation log collection.
- (9) Improvement of log collection function.
- (10) PRIMEPOWER Server Manager be able to get server information.
- (11) The following functions in FJSVsnap are changed.
 - System information related to Machine Administration is added to the collected data. (serialid,hcpversion)
 - Default work area is changed from /tmp to /var/tmp.
 - When free space of the work area is smaller than the total size of collected data, the process terminates with an error.
 - Files/directories which exceed the upper limit (128MB), are not collected.
- (12) The following bugs are fixed in SCS 2.5

FJSVclis

- When Solaris9 9/04 is installed, grmpdautoconf terminates abnormally at

temporary boot.

- When the version of OS of SMC (Installation server) and target server is different, grmpdautoconf terminates abnormally at temporary boot.

FJSVccsl

- In the Hardware Configuration Displays menu, Status information may be displayed numerically.
- OS information at the time of Panic generating is insufficient.
- The DTB mounted in the Cabinet#1 is displayed as Cabinet#0-DTB#1 on PRIMEPOWER HPC2500.
- An error messages is not displayed at the time of failure in TN setup menu on PRIMEPOWER HPC2500.
- The System Board Maintenance menu might display the message that there are some adaptor which is connected to the powered device, though they are not installed in PRIMEPOWER900/1500/2500/HPC2500.
- The information on an error may be insufficient on PRIMEPOWER900/1500/2500/HPC2500.
- The message is mistaken if the All System Power-OFF Instruction is performed into System Power-OFF on PRIMEPOWER HPC2500.
- The number of firmware version may not be agreement after the Cold System Control Facility (SCF) Maintenance on PRIMEPOWER1500/2500/HPC2500.
- The two same error logs may be extracted on PRIMEPOWER900/1500/2500/HPC2500.
- Serial information may not be added when the error of NAB occurs on PRIMEPOWER2500/HPC2500.
- Hot System Expansion of TN-FAN and TN-FEP cannot be performed on PRIMEPOWER HPC2500.
- The error message may be displayed after System network activation on PRIMEPOWER900/1500/2500/HPC2500.
- The Hardware Configuration Displays of FAN installed in Dual Power Cabinet is wrong on 64CPU model of PRIMEPOWER2500/HPC2500.
- The Hot Swap Maintenance of FAN/FEP installed in Dual Power Cabinet cannot be done on 64CPU model of PRIMEPOWER2500/HPC2500.

FJSVcsl/FJSVkcsl

- The function of SCS might stop when a specific port of SMC is accessed.
- The daemon which operates on SMC might become abnormal by an illegal

TCP connection.

- The console function by RC2000 might not be displayed.

FJSVrrda

- When the HTTP communication is canceled, The REMCS agent doesn't respond occasionally.

SCS2.4

- (1) SPARC64 V (1.89GHz) in PRIMEPOWER 900/1500 is supported.
- (2) Systemwalker Resource Coordinator V11.0.1 correspondence. In Partition Installer and Java version RC2000, it corresponds so that it can be used with Systemwalker Resource Coordinator V11.0.1 environment.
- (3) The following functions of partition_setup are supported.
 - Addition of function authenticated / checked internal disk / RAID array with temporary OS of installation server before OS is installed, and to compose driver configuration file of ETERNUS disk array automatically.
 - Addition of installation script arrangement command.
 - Addition of OS installation function to use flash archive.
 - Addition of synchronous execution function of set script in cluster composition environment.
 - Addition of system file distribution function.
 - Addition of slice setting omission function of disk.
 - To assume network boot (temporary boot) execution that is the selection to be indispensable for connected confirmation of the disk device, the specification is changed.
 - Support of the main platform product.
 - Improved security.
- (4) The following bugs are fixed in SCS2.4

FJSVccsl

- The partition setup data may be cleared after Cold System Control Facility (SCF) Maintenance (Breaker Off) is executed.
- The Hot Swap Maintenance of FEP is supported on PRIMEPOWER1500.
- Some processes does not work correctly when the load of SMC (System Management Console) rises.
- The update of the RASDB fails when the Hardware Control Program (HCP) update is executed concurrently to two or more systems.
- The HCP (Hardware Control Program) versions may not be correctly

displayed after the HCP update in the Hot spare SMC(System Management Console) configuration.

- The XB-DDC is not display in Hardware configuration display menu, after the XB-DDC Hot swap or Cold System Maintenance (Breaker on) on PRIMEPOWER1500.
- The CPU cash size displayed in Hardware configuration display menu is incorrect on PRIMEPOWER2500/HPC2500.
- The Extended Interleave mode is not changed properly after the partition configuration is changed.
- The Cache Way information of CPU may not be displayed at Hardware configuration display menu.
- The Memory unit location name displayed in the Machine Administration Message is incorrect.
- The HCP (Hardware Control Program) files are added to the candidate for backup which is gatherd by the scslbackup (1M) command.

SCS2.3

- (1) PRIMEPOWER 250 SMC support.
- (2) In PRIMEPOWER900/1500/2500/HPC2500, the firmware update function in the state of the system operation is supported.
- (3) 8GByte memory module in PRIMEPOWER900/1500 is supported.
- (4) 16GByte memory module in PRIMEPOWER2500/HPC2500 is supported.
- (5) The following bugs are fixed in SCS 2.3

FJSVrcon

- When a lot of console windows are started at the same time, data might not be displayed in the console window.

FJSVcsl, FJSCkcsl

- The error message when the user who does not have the execution authority operates the menu is improper.
- When the redundant console path's configuration is used, and the sub-path is used for operation, the console on the RC2000 might not be used after the system power OFF and ON.
- The hardware error logs might not be collected.
- The amount of the resource in some processes might expand because of the memory free leakage.

- When the Hot Spare SMC configuration is used, the RC2000 console might not be used for a while after the switching of the SMC.

FJSVccsl

- On PCI/DISKBOX Hot System Expansion and Cold System Maintenance, Cannot Expansion PCI/DISKBOX to initial state SB(system board) slot.
- The Hot System Board Replacement is performed when System Board is power-on but failure state.
- The Hot System Expansion menu displays failure unit.
- The System Board Addition to Partition menu displays wrong partition.
- The CPU that is failure, Hardware Configuration menu displays degenerate state always.
- The SCF (System Control Facility)#0 replacement by Cold System Control Facility (SCF) Maintenance (Breaker Off), SCF-NVRAM is cleared.
- The Hot System Board Maintenance or Cold System Board Maintenance may be failed.
- On PRIMEPOWER2500/PRIMEPOWER HPC2500 with Dual Power Feed, the Hot System Expansion of FAN may be failed.
- The Hot System Board Replacement with PCI/DISKBOX replacement, Cannel cable disconnect/connect at System Board power on state.
- Add Unit detail information to NAB/NDB (Node Address Board/Node Data Board) failure messages.
- Using system maintenance mode in PCI/DISKBOX Hot System Expansion.

SCS2.2

- (1) XPAR (eXtended PARTitioning)/DR (Dynamic Reconfiguration) support for PRIMEPOWER900/1500.
- (2) Hot spare SMC support for PRIMEPOWER900/1500/2500/HPC2500.
- (3) The monitoring message to notify the change of the setting value on the Panel.
- (4) The following bugs are fixed in SCS 2.2

FJSVcsl, FJSCkcs1

- The SCS Administration Information Backup might fail.
- The display the configuration window might not be reflected after changing the partition configuration by node_control command.
- The error log collecting daemon hangs up when the error log happens frequently.
- Hardware fatal error analysis might not conclude for 2 or more cabinet

configuration.

- When SMC is rebooted in hot spare SMC configuration, IP address of two SMCs might become the same.
- When DNS is not correctly set, hot spare SMC configuration might not be correctly set.
- The synchronization of the information might fail with hot spare SMC configuration.
- When the state of peer SMC is Fail, the server cannot be maintained in hot spare SMC configuration.
- When Service SMC is rebooted, an unnecessary message might be displayed in hot spare SMC configuration.
- In a redundant console-path environment on the PRIMEPOWER900/1500/2500, the wrong formatted message is displayed.
- In PRIMEPOWER 800/1000/2000 and GP7000F models 1000/2000, The SCF breakdown can not be notified when it was broken before the main line switch of server is turned on.
- In PRIMEPOWER 800/1000/2000 and GP7000F models 1000/2000, The status of mode switch can not be reflected when it was changed while the SMC is stopped.

SCS2.1.1

(1) PRIMEPOWER900/1500/2500/HPC2500 support.

However, the server which can be managed by one SMC is as follows.

- Combination in "GP7000F model 1000/2000, PRIMEPOWER800/1000/2000" model group
- Combination in "PRIMEPOWER900/1500/2500/HPC2500" model group

There is a limitation in the following conditions, when the server is "PRIMEPOWER900/1500/2500/HPC2500".

- Hot spare SMC

(2) New System Board support.

(3) The following bugs are fixed in SCS 2.1.1

FJSVcsl, FJSCkcs1

- Automatic backed up information might not be able to be restored in the "Restoration of Automatic Backup Information from Partition OS" menu.
- The display of RC2000 and the Configuration window might not reflect the addition of the partition or the changing of the server name.

- The message of the failure of the status check time-out setting is displayed in the SCF maintenance menu when RCI-group#0 does not exist.
- The command "drkeepcancel" fails.

SCS2.1

(1) Solaris™ 9 Operating System (OS) support.

Solaris 9 OS is supported.

However, there are the following notes.

- Live Upgrade which is the function of Solaris 9 OS is not supported.
- Java version RC2000 is not supported.

(2) Hot spare SMC support.

The spare system console function is enhanced, and when active SMC stops SCS is automatically switched to the standby side.

However, there is a limitation in the following conditions.

- When you install additional option software on SMC.
- When SMC REMCS agent's function is used. (Refer to '3.4 SMC REMCS agent release notes' for details.)

Please refer to "Chapter4 Notes on the SMC" for notes.

(3) Java version RC2000 support.

Java version RC2000 is supported as an optional feature. Java version RC2000 uses Web-Based Admin View.

When the product is shipped, Java version RC2000 is not installed in SMC. Please refer to "Installation Guide System Console Software" for the procedure to install it.

This function is not supported in Solaris 9 OS.

(4) Support of "RCI Device Status-Check Timeout" value automatic setting function.

(5) In the Console Connection Unit (CCU) Setup menu, the setting of the CCU device up to eight ports is supported.

(6) The display of firmware revisions of each sub-components is added to the hcpversion command.

(7) The menu of Display the OS Information is added to the Status Report Log menu in the System Log Displays menu.

(8) The following bugs are fixed in SCS 2.1.

FJSVclis

- When the host is deleted from the host list with partition_setup, pertinent host's information might not be deleted from "/etc/bootparams".

- The disk slice change operation message set with partiton_setup is improper.

FJSVcs1

- Only 15 characters can be originally used for the machine name but 16 characters might be registered by the System Network Administration menu.
- In the Console Connection Unit (CCU) Setup menu, the setting of the CCU device up to eight ports is supported.
- "Remote Cabinet Interface (RCI) Administration" Menu might be suddenly terminated and return to the top menu during configuring RCI network.
- In the Dynamic Reconfiguration Hot System Board Maintenance menu, an unnecessary message might be displayed on Confirmation menu of System Board configuration after System Board replacement.
- The setting of the sender e-mail address cannot be deleted by the System Notification Administration menu.
- The SCF replacement might be failed after MAIN LINE SWITCH of the server was turned off even once after SCF breaks down.
- "Update of Hardware Control Program (HCP) (POST)" menu might terminate abnormally by the timeout of System Power-on complete.
- The "Update of Hardware Control Program (HCP) (POST)" might terminate with displaying the LEVELUP fail message.
- The SCF replacement might be failed at the RCI multi-group environment.

SCS2.0.1

- (1) New I/O (PGX64 Color Frame Buffer) support.
- (2) New I/O (Quad Fast Ethernet (PW-type)) support.
- (3) Improvement of log collection function.
- (4) SPARC64 GP (788MHz) support.
- (5) The following files are added to the file backed up by the sctlbackup command.

/etc/opt/FJSVsirms/sirms.conf	Environment definition file of soft remote maintenance function
/opt/FJSVrmaos/etc/systemwalker.reg	File which manages SS-Agent
/var/opt/FJSVragt/etc/opasndsys	File which manages host name of management server
/opt/FJSVrlib/etc/rimomen.dft	Communication environment configuration file
/opt/FJSVrlib/etc/rmsmidif.dft	Device identification information file
/opt/FJSVrlib/etc/rmsd*	DRMS management file directory
/opt/FJSVrlib/etc/rmscenter.dft	Center list file at connection destination
/var/opt/FJSVmadm/etc/madmdb	Machine management watch information file
/var/opt/FJSVmadm/etc/rptcond	Machine management report configuration

	file
/etc/opt/FJSVmadm/optmenuconf	Machine management CUI menu options menu definition
/etc/opt/FJSVmadm/diskswaplist	List of disk for machine management revitalization exchange
/etc/opt/FJSVmadm/nochecklist	Machine management watch exclusion device list
/opt/FJSVmadm/java/com/fujitsu/webview/madmin/optionMenu/index.txt	Machine management GUI menu options menu definition
/var/opt/FJSVmadm/etc/madmserver.conf	Machine management GUI menu setting information file
/etc/opt/FJSVwvbs/etc/webview.cnf	System requirements definition file for Web-Based Admin View
/etc/opt/FJSVwvbs/etc/wvlocal.cnf	System requirements definition file for Web-Based Admin View(machine peculiar information)

SCS2.0

(1) The following functions of partition_setup are supported.

- The specification change to save the system presetting information for the network boot.
- The function addition to enable to install the host of a new model.
- The function addition to enable to install the multiple languages (locales).
- The function addition to enable to install the packages only for Solaris™ 32-bit.
- The specification change to enable to set the installation information of the version since Solaris™ 9.

(2) RCI multi-group administration support.

(3) The "Hardware Control Program (HCP) Update Administration" menu supports online updating mode.

(4) The following bugs are fixed in SCS 2.0

FJSVclis

- After the product CD image was copied by partition_setup, the network installation of the product cannot be performed if you release manually the share and execute partition_setup again.

FJSVrcon

- A console log when errors occur to the server might be unable to be gained.
- When the "Send Break" menu of the console window is executed, Telnet-Break might be sent two or more times.

FJSVcsl

- The message "SCS Internal error (firmctld restart)" might be displayed on

the Monitoring Message window during shutdown procedure of SMC.

- When the time-out of communication processing with SCF occur, the procedure to stop the processing might kill the other independent processes.
- (5) PGX64 adapter can be diagnosed with m64test on FJVTS.
- (6) Addition of the reported message on the platform used by the SMC.
- (7) PW008QE1 adapter support

SCS1.7

- (1) Improvements to use not only the hostname but also Internet Protocol address for /etc/hostname.<interface > file of SMC
- (2) Functions of the scslinstall command are enhanced to automatically apply the following.
- System Console Software
 - System Console Software patches
 - SMC REMCS Agent
 - SMC REMCS Agent patches
- (3) Operation improvement of "Maintenance/Swapping Administration" menu in the Machine Administration Menu.
- (4) Support of patrol function for the sub-console-path.
- (5) Improvement of "Hardware Control Program (HCP) Update Administration" function and menu.
- (6) Improvement of hardware log function.
- (7) Improvement of RC2000 function.
- (8) Improvement of time synchronization function, between SMC and partition of PRIMEPOWER 800/1000/2000 or GP7000F Model 1000/2000.
- (9) The following bugs are fixed in SCS 1.7

FJSVclis

- An unnecessary character string might be displayed on the input screen of the password in partition_setup.
- The product copied with partition_setup might not be able to be selected from the product list.

FJSVcsl

- When you newly add UPS in the "UPS Administration" menu, the display of dots ("...") at the waiting time after UPS is set does not end occasionally. (However, setting is normally done)

- In the "Hardware Configuration Displays" menu, the error mark does not adhere occasionally.
- In the hardware error log menu, the retrieval function may not operate normally.
- When "Machine Administration Menu" ends, the work file remains occasionally.

FJSVapcs

- The power supply of the server from the Auto Power Control System might not be turned on by the SMC restart.
- When the schedule of "Auto Power Control System" is displayed, the display of the year might be displayed only by the lowest one digit.

FJSVscsl

- The messages with the improper additional information named [user.error] in the Monitoring Window and /var/adm/messages file are output when OS of SMC is Solaris™ 8.
- The MAC address of the added partition might not be automatically reflected in /etc/ethers file.

FJSVrcon

- When the "Reset and Clear Saved Lines" menu of the console window is executed, display area might not be cleared.
- Even if ten key are input on the console window, the input might be not effective.

- (10) The ability to test CPUs was improved on FJVTS.
- (11) Improvement of Web-Based Admin View function.
- (12) Improvement of Machine Administration functions on the platform used by the SMC.

SCS1.6.2

SCS 1.6.2 is composed of SCS 1.6.1 and additional patch.

SCS 1.6.2 has following new features.

911310-02:FJSVcsl

- Improvement of "Hot system board addition menu" and "Hot system board replacement menu".
- Improvement of log collection function

SCS1.6.1

SCS 1.6.1 is composed of SCS 1.6 and additional patch.

SCS 1.6.1 has following new features.

911310-01:FJSVcsl

- HCP revision display command support.
- Improvement of log collection function

SCS1.6

- (1) PRIMEPOWER 100 SMC support
- (2) Solaris™ 8 (4/01) support on SMC
- (3) Operation improvement of the Machine Administration Menu
- (4) Operation improvement of the partition_setup command
- (5) The following bugs are fixed in SCS 1.6

SMC Assistance (FJSVscsl)

- The message when the time of SMC is later for the time of the partition with the NTP server started is corrected.

RC2000 (FJSVrcon)

- The error message when the connection to Console Connection Units fails is corrected.

Partition Installer (FJSVclis)

- The trouble that the restoration of FJSVclis terminates abnormally when the "scslrestore" command is executed for bringing in a spare system console.

The patches for SCS1.6 and the packages of SCS are included in SCS1.6. The content added with the patch of SCS1.6 is as follows.

911238-01:FJSVmand

- The trouble that the composition display of System Management Console might fail is corrected.

SCS1.5.3

The patches for SCS1.5.2 (or SCS1.5, SCS1.5.1) and the packages of SCS are included in SCS1.5.3. SCS1.5.3 has included the patch of SCS1.5.2. The content added with the patch of SCS1.5.3 is as follows.

910852-05:FJSVcsl

- The trouble that even if the malfunction of SCF-LAN is restored after the switch of SCF by malfunction, the restoration switch processing of SCF is not done is corrected.

SCS1.5.2

The patches for SCS1.5.1 (or SCS1.5) and the packages of SCS are included in SCS1.5.2. SCS1.5.2 has included the patch of SCS1.5.1. The content added with the patch of SCS1.5.2 is as follows.

910852-03:FJSVcsl

- Status display of the Partition Display menu is corrected.
- Installation procedure of a Spare System Console is corrected.
- Improvements to support of Dynamic Reconfiguration.
- The trouble that the character on the console window is missed when the server is started is corrected.

910909-02:FJSVcslom

- Status display of the Partition Display menu is corrected.
- Installation procedure of a Spare System Console is corrected.

911001-01:FJSVscsl

- In Spare System Console, the problem from which the NTP daemon is not started is corrected.

911005-02:FJSVrcon

- Console window is closed abnormally during operating with vi editor.
- The trouble that an error is in the authority of the extracted file is corrected.

911056-01:FJSVrcon

- The problem from which the path name of the directory which copied the Solaris™ CD is registered only up to 31 characters in /etc/dfs/dfstab is corrected.

SCS1.5.1

910852-02:FJSVcsl

- Support of Dynamic Reconfiguration.
- Support of Console Connection Unit duplex system.
- Support of micro-program (POST) updating of partition.
- The omission of the character of the error log message has been corrected.
- The erratum of the report unit type has been corrected.
- The trouble that the contents of the partition display menu are different from that of SCF has been corrected.
- The problem not to be able to delete the partition when status is NG is corrected.

- When the server was never started after initial install of SCS, the problem to which the micro-program could not be updated had been corrected.
- The description of Solaris™ 8 of server OS is added.

910909-01:FJSVcslom

- Support of Dynamic Reconfiguration. (Change in message)
- Support of Console Connection Unit duplex system.
- Support of Solaris™ 8 on server OS.

SCS1.5

- (1) Improved security
- (2) Function reinforcement of partition installer
- (3) Operation improvement of RC2000
- (4) Operation improvement of the Machine Administration Menu
- (5) System board (PP087SB2, PP207SB2) support
- (6) Overwrite support
- (7) The following bugs are fixed in SCS 1.5

Machine Administration (FJSVcsl)

- The message of the Partition/System Board Administration menu is corrected.
- When the error notification from partition OS is continuously received, the error message is incorrect on SMC.

SMC Assistance (FJSVscsl)

- "_" (underscore) enters the hostname of the partition when the hostname of the partition is made from SMC automatically.

Automatic Power Control (FJSVapcs)

- Even if the stop operation of the system is done by the automatic power control, the system does not stop occasionally.

RC2000 (FJSVrcon)

- When Host Browser ends, another command that parent process becomes the same is occasionally ended.
- Console Window might not be able to be started.

(FJSVsnap)

- The fjsnap command might be doubly started.

SCS1.4.3

The patches for SCS1.4.2 (or SCS1.4 or SCS1.4.1) and SCS are included in SCS1.4.3.

SCS1.4.3 has included the patch of SCS1.4.2. The content added with the patch of SCS1.4.3 is as follows.

910685-04:FJSVcsl

- The problem of the function to upgrade the POST (or SCF) firmware in duplex SCF composition is corrected.
- The processing at the SCF alarm in duplex SCF composition is changed.

SCS1.4.2

The patches for SCS1.4.1 (or SCS1.4) and SCS are included in SCS1.4.2. The content added with the patch of SCS1.4.2 is as follows.

910685-03:FJSVcsl

- The problem that SMC cannot connect with partition is corrected, when 0 is included in IP address of the partition (or SMC).
- In the "Maintenance/Swapping Administration" menu, the problem that the Hot Swap etc. of SCF cannot be done is corrected.
- In the "Maintenance/Swapping Administration" menu, the HELP message is corrected.
- Improvements to support of duplex SCF composition.

910722-03:FJSVapcs

- The problem that access to the server fails in rebooting of SMC is corrected.
- The problem that the power supply turning on of the server is not done on schedule is corrected, because the time of server and the time of SMC are different.
- Improvements to support of duplex SCF composition.

910687-02:FJSVcslom

- The message changed by duplex SCF composition support is reflected in the manual.

SCS1.4.1

The patches for SCS1.4 and SCS are included in SCS1.4.1. The main points of difference in SCS1.4.1 are as follows.

- (1) Improvements to The Machine Administration Menu
- (2) Improved security
- (3) Support of duplex SCF composition

The Machine Administration supports duplex SCF composition on the PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000.

The content of each patch is as follows.

910685-01:FJSVcs1

- An English description of the Machine Administration Menu has been improved comprehensible.
- Improved security
- Support of duplex SCF composition
- Correction of problem which outputs core dumps by daemon and command and terminates abnormally.
- Changes to the IP library correcting a problem that causes abnormal termination.
- A problem concerning the recovery process not fixing communication breaks following a cable problem after a SCF reset is corrected.
- Correction of the problem, directory deletion under /var/opt/FJSVcs1.
- The problem that RC2000 is suddenly cut, and cannot be used is corrected.
- The problem where partition ID after the system board is exchanged by the Hot System Board Replacement menu disappears is corrected.
- The problem that the longevity of UPS battery is notified by always using the server name of the 0th server-ID is corrected.

910686-01:FJSVscs1

- Improved security

910687-01:FJSVcs1om

- The change in the Machine Administration Menu is reflected in the manual.
- The message added by duplex SCF composition support is reflected in the manual.
- A wrong description was corrected.

SCS1.4

(1)SPARC64 GP (450MHz,440MHz,400MHz) support

A field-upgrade menu is added to the SCS Machine Administration menu in order to add SPARC64 GP (450MHz, 440MHz, 400MHz) processors. The SCS also provides a firmware updated function. It is necessary to upgrade the POST and the SCF firmware.

(2)PRIMEPOWER brand

The SCS now recognizes the product name (PRIMEPOWER).

(3)Separation of the FUJITSU REMCS packages

The FUJITSU REMCS (the FUJITSU's remote maintenance packages) are

separated from the SCS 1.4 CD. As a result some menu items relevant to remote maintenance are removed from the Machine Administration Menu in the SCS.

The remote maintenance packages will now be provided on another CD.

(4) Support for the installation of Solaris™ 2.6 on PRIMEPOWER and GP7000F.

The Partition installer now supports the installation of Solaris™ 2.6 on PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000.

The following bugs are fixed in SCS 1.4

(1) RC2000 (FJSVrcon)

- Unable to use locale except “C” or “ja” in the RC2000 console window.
- The CPU operating ratio reaches 100% under a certain condition.
- Unable to start console window from the RC2000.

(2) SMC assistance (FJSVscsl)

- The SCS window environment does not appear when logging in the SMC without the locale “C” or “ja”.
- The configuration display window and the partition window in RC2000 are not shown, if */etc/ethers* file includes one or more comment(s).

(3) Partition installer (FJSVclis)

- If two or more identical hostnames (different IP addresses) are included in */etc/hosts* file, the partition installer fails with a syntax error.
- The partition installer loops, if */etc/default/init* file includes certain comments.
- The partition installer cannot select the timezone without the SMC’s default timezone.

(4) Automatic Power Control (FJSVapcs)

- The Automatic Power Control does not set schedules in the locale except “C” or “ja”.
- No error is reported though the Automatic Power Control sets schedule when cron daemon is not active.

(5) Machine Administration (FJSVcsl)

- When a miss-operation happens in the System Control Facility board replacement, any error messages do not appear and the next menu displays as if correct operation occurred.
- The memory slot on the System Board displays incorrect information in the hardware configuration display.
- It takes a long time to change the console connection unit’s subnets of the System Control LAN.

- Incorrect time prints on the hard error log when it changes to summertime.

Chapter5 Notes on the SMC

1. The System Console Software 2.3 had been installed and has been tested on following environment.
 - Solaris™ 7 8/99
 - Solaris™ 7 11/99
 - Solaris™ 8 07/01
 - Solaris™ 8 11/01
 - Solaris™ 8 2/02
 - Solaris™ 9 4/03
 - Solaris™ 9 8/03(Not for PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000)
2. If the SMC platform has the Enhanced Support Facility (or the Basic Software Extension) or any of the following packages (FJSVscdx, FJSVscd, FJSVscr, FJSVscu) installed, execute the esfrm (or the bserm) command or the pkgm command before installing System Console Software.
3. System Control LAN is a private LAN. Therefore, this LAN cannot be connected to a user LAN (public LAN).
4. The SMC's RCI interface is not supported. Do not use the RCI network to connect the SMC platform to the PRIMEPOWER800/1000/2000/900/1500/2500/HPC2500 or GP7000F Model 1000/2000.
5. Automatic power control and the mode of operation after power restoration of the SMC platform cannot be set. But automatic power control and the mode of

operation after power restoration of the PRIMEPOWER800/1000/2000 and PRIMEOPWER900/1500/2500/HPC2500 and GP7000F Model 1000/2000 can be controlled from the SMC.

6. To make the compression function of the DAT device effective, the file `/kernel/drv/st.conf` must be changed. Please refer to the manual of the SMC platform and modify the `st.conf` file.

7. Also refer to Chapter 5 “Notes after the Installation” in “PRIMEPOWER200/400/600 and GP7000F Model 200/200R/400R/ 400A/600/600R Hardware Platform Guide Solaris™”.

8. Please refer to the Enhanced Support Facility manual for PRIMEPOWER800/1000/2000/900/1500/2500/HPC2500 or GP7000F Model 1000/2000 about how to operate the SCF driver and the Machine Administration for the SMC.

9. The console path (between the RS-232C port on the system board and the SMC, through the console connection unit) uses the smallest number of the system boards and the second smallest number of system boards in the partition.

10. While the “System network change” is executing, do not interrupt the process by using the Control-C key. Doing so will cause the system control of PRIMEPOWER or GP7000F to fail.

11. HCP (Hardware Control Program) version 02.11.0000 or later supports the duplex SCF composition. (When server is PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000)

Version of HCP can be confirmed by the following commands.

```
# /usr/sbin/hcpversion <Server_name>
```

Examples

```
# /usr/sbin/hcpversion server0  
HCP Total Revision: 08.03.0000
```

When version up of HCP is never done, the following messages are output.

```
# /usr/sbin/hcpversion server0
```

No HCP has been updated from SMC

In this case, please refer to “PRODUCT TEST RECORD”. HCP version can be confirmed.

12. It is necessary to register HCP (Hardware Control Program) file to SMC. Please refer to appendix A for registration method.

13. HCP (Hardware Control Program) version 05.07.0000 or later and ESF (Enhanced Support Facility) version 1.7.1 or later supports the Dynamic Reconfiguration. (When server is PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000)

14. In order to install SynfinityCluster 2.0, refer to “7.3.2.4 Executing the Partition Installer” in “System Console Software User’s Guide.”

15. The duplex composition of Console Connection Unit is supported with ESF (Enhanced Support Facility) version 1.7.1 or later.

It is necessary to apply the following patch when this function is used with ESF 1.7.1 or 1.8.

Patch No: 911073-01

The function for diagnosing standby console path automatically on the duplex Console Connection Unit system is supported by ESF2.0 or later.

16. When using the duplex composition of Console Connection Unit, the message that console-path is disconnected and connected may be displayed during Dynamic Reconfiguration operation. It is no problem.

17. If a lot of text data is pasted on the console window of RC2000, the console message "seN: Buffer overrun" (N is an integer) may be displayed and some pasted may be missing.

Please divide the number of times to paste and paste with a size about 1024 bytes at each time. In addition, this amount of data to paste is a standard because speed of receiving process changes by the application using on the system. If you need to paste all data at one time, please paste by the mean like the following examples:

- Paste data on the text editor of SMC and save as a text file. And if required, transmit this file to the system by ftp etc.

- Paste data on windows other than RC2000 connected by telnet etc.

18. When you install Solaris 9 OS to the partition with the partition installer, the interactive installation screen by Solaris OS installation program may be displayed on the console of partition in the following procedure after executing `partition_setup`.

[Procedure when network boot is executed] When you executed the network boot for acquiring the disk information on the installation partition during the setting procedure of the installation information with <code>partition_setup</code> .

or

[Procedure when network boot is not executed] When you executed the network boot for beginning the network installation after the setting of the installation information was completed by <code>partition_setup</code> .
--

[Action]

Please answer to the inquiry according to the indication of screen. After you answered all inquiries, the installation can return to the regular procedure of network installation or `partition_setup` to be continued.

19. Please note the following when the console path is set as a redundant configuration.

- When you move the System Board to another partition, please release the redundant setting beforehand.

Otherwise, following error message which tells an abnormality of the console path may be displayed.

Console-path of Cabinet#y-SB#a in Partition#X was disconnected
--

20. HCP (Hardware Control Program) version 09.01.0000 or later supports RCI multi-group administration. (When server is PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000)

21. HCP (Hardware Control Program) version 10.01.0000 or later supports SPARC64 GP(788MHz). (When server is PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000)

22. There are notes about the operation of SMC. Please refer to appendix B.

23. There are notes about hot spare SMC.

- Hot spare SMC is supported with ESF (Enhanced Support Facility) version 2.2 or later. It is necessary to apply the following patch when this function is used with ESF 2.2. Please refer to appendix C of this document for how to apply the patch.

Patch No: 912071-01

- Please use Primary_SMC usually.
- Please do not execute the status transition command of the redundant configuration from two SMC at the same time.
- Please use the same version of Solaris OS and System Console software on both the SMC.
- Please connect both the SMC to the same HUB for system control LAN.
- Please ignore following message, which might be display during the booting-up of the SMC.

FJSVscsl:ERROR:FJSVscsl: /etc/FJSVscslcntl disable.

- Please ignore following messages, which might be display during switching over between standby SMC and active SMC.

ERROR: FJSVscsl failed to start: FJSVscsl did not stop
ERROR: REASON: System console daemon is already working, or has not been stopped completely.
ERROR: SOLUTION: Execute "FJSVscsl stop", wait for a while, then execute "FJSVscsl start", again.

- A part of function cannot be succeeded by hot spare SMC. Please refer to 'System Console Software User's Guide' for details.

24. There are notes in the partition of the server when SMC is used by the redundant configuration.

When SMC is switched, SMC is changed by the scslset command on each partition. (When hot spare SMC is used, SMC is changed by the automatic operation.)

At this time, a part of the common filesystem definition defined by another of /etc/dfs/dfstab file is freed.

Please confirm the common filesystem definition by the share command on each partition beforehand. And, please set it again after the switch of SMC.

25. scslbackup and the scslrestore command should operate by the same Solaris OS version.

26. When versions of ESF(Enhanced Support Facility) of the server (for PRIMEPOWER900/1500/2500/HPC2500) sides is 2.3, please apply the following patches. Please refer to appendix C of this document for how to apply the patch.

Patch No: 912847-02

The following bugs are corrected.

- | |
|---|
| <ul style="list-style-type: none">- When CPU offline fails, the message of the offline success is displayed.- The result of the inst2comp command is not correctly displayed.- Hardware configuration information of the network adaptor is not correctly displayed.- Faulty unit is not correctly displayed by the notification message of the adaptor abnormality. |
|---|

27. When server is PRIMEPOWER900/1500/2500/HPC2500, extended partitioning is supported with ESF (Enhanced Support Facility) version 2.3 or later. It is necessary to apply the following patch when this function is used with ESF 2.3. Please refer to appendix C of this document for how to apply the patch.

Patch No: 912861-01

28. When the hub used to control the system LAN supports the function to prevent the circulation (Domain Separation, Spanning Tree Protocol, etc.), system control LAN might be disconnected. Please nullify the function.

In the communication setting of system control LAN, the setting of the SCF side is 10Mbps/half duplex. And, Quad 10/100 Ethernet card (PW008QE1) on the SMC side depends on a basic setting (auto negotiation). Please set evasion referring to 'FUJITSU PCI Quad Ethernet 1.0 Document' when there is a problem in the combination with the hub under this condition. Please set the setting of the hub to 100Mbps/full duplex fixation mode.

29. Please confirm an empty size of the disk, when you use the disk of SMC with the following tools etc.

- Dump support tool
- Collection of system information
- Setup of Partition installer
- Backup of log information
- HCP firmware file registration
- Documents registration

30. Please refer to "7.4 Installing the Solaris™ Operating System" of "PRIMEPOWSERHPC2500/2500/1500/900 Installation Guide" for the system board number specified to install Solaris™ Operating System when server is PRIMEPOWSER900/1500/2500/HPC2500.

Please refer to "B.3 Devalias" of "PRIMEPOWSERHPC2500/2500/1500/900 Installation Guide" for details of Devalias of Administration LAN.

31. There are following notes about the Segment ID and System Console ID.

- Segment ID should be 1. When other number are set, SCS does not work correctly.
- SMC which can be used in one System Control LAN segment in only one. However, two SMCs can be used only at the hot spare configuration.
- The SMC should make all servers in the same System Control LAN segment a administration object. Two SMCs connected in the same LAN cannot administrate separate servers in the same LAN respectively.
- System Console ID should be 1. However, only at the hot spare configuration, please set System Console ID to 1 and 2 respectively. When other numbers are set, SCS does not work correctly.

32. In the case of using the Console Connection Unit in duplex composition, the following message might be displayed when executing of OS shutdown.

Console-path of Cabinet#y-SB#a in Partition#X was disconnected

In this case, the Console-path Configuration Displays menu tells that the status of the path is fail.

When this phenomenon occurs, please confirm the status of the path after starting OS next time.

If the status is still fail even after the OS started, the Console-path may have broken. Please call a fujitsu engineer.

When the status becomes active or standby, there is no problem.

33. In hot spare System Management Console composition, if Service/Standby is changed, Master/Slave of the system control LAN may change. Then, since the

following messages are displayed and SCF#0 returns to Master, it does not have influence on employment.

```
machine0:FJSVcsl:I:SCF:The switch to Master SCF#0 was completed (addr=xxxxxxx)
```

34. The following messages may be displayed at the time of the System power ON.

```
machine0:FJSVcsl:I:console1:power-on instruction failed
```

Since it may generate during a SCF switch, please perform System power supply instruction again after checking the state of the system control LAN.

35. If "drc -disconnect sbxx -keep" is executed with PRIMEPOWER900/1500/2500 which supports the DR function, and "drkeepcancel machiney xx" is executed immediately after the end of the disconnect processing, the phenomenon the partition that the SB belongs seeming to drop to OBP suddenly might be generated. "drkeepcancel" Open and execute one time of the minute or more after the "drc -disconnect sbxx -keep" command ends when you execute the command.

36. If you will install a product with the partition installer to the partition where Solaris™ 10 OS has been installed, the product should support Solaris™ 10 OS. Refer to an installation guide of each product whether a product supports Solaris™ 10 OS.

37. The following console path disconnecting message is displayed though the path is alive when Solaris™ 7 OS is used on the partition.

```
Console-path of Cabinet#y-SB#a in Partition#X was disconnected
```

In this case, please execute the following commands, and stop the path monitoring function.

```
# /opt/FJSVcsl/bin/cmdconspath -sid Server-ID -pid Partition-ID-check OFF
```

38. There is no problem in operation though the following messages might be output to the watch message while operating SMC.

(1) Example of message 1 (Only Solaris™ 10 OS)

```
Mar 19 18:20:46 xxxxx java[17549]: [ID 610730 user.error] pkcs11_softtoken: Cannot create keystore.  
Mar 20 12:18:13 xxxxx snmpd[95]: [ID 874347 user.error] libpkcs11: open /var/run/kcfd_door: No such file or directory  
Mar 20 12:18:13 xxxxx snmpd[95]: [ID 246985 user.error] libpkcs11: /usr/lib/security/64/pkcs11_softtoken.so unexpected failure in ELF signature verification.  
System may have been tampered with. Cannot continue parsing /etc/crypto/pkcs11.conf  
Mar 20 12:19:32 xxxxx java[1865]: [ID 807473 user.error] pkcs11_softtoken: Keystore
```

```

version failure.
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.info] starting (version 2.6.1), pid
4629 user 'root'
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.warning]
[ApocSource] Source apoc:readonly:mandatory@ is unavailable: Failed:
[ApocPapi] Cannot initialise PAPI:PAPI Connection Failure.
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.warning]
[ApocSource] Source apoc:readonly: is unavailable: Failed:
[ApocPapi] Cannot initialise PAPI: PAPI Connection Failure.
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.info]
Resolved address "xml:readonly:/etc/gconf/gconf.xml.mandatory" to a read-only config
source at position 0
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.info]
Resolved address "apoc:readonly:mandatory@" to a read-only config source at position
1
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.info]
Resolved address "xml:readwrite://.gconf" to a writable config source at position 2
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.info]
Resolved address "apoc:readonly:" to a read-only config source at position 3
Mar 20 13:21:12 xxxxx gconfd (root-***): [ID 702911 user.info]
Resolved address "xml:readonly:/etc/gconf/gconf.xml.defaults" to a read-only config source
at position 4
Mar 20 13:21:42 xxxxx gconfd (root-***): [ID 702911 user.info] GConf server is not in use,
shutting down.
Mar 20 13:21:42 xxxxx gconfd (root-***): [ID 702911 user.info] Exiting

```

This source is what this product prepares it beforehand for the setting, and no one which influences the system though the data source for the GConf adaptor of Java Desktop System Configuration Manager is output in the origin as for the above-mentioned gconfd message.

And the java, snmpd messages are output due to the trouble of SMA(System Management Agent), and you cannot use SNMPv3.

However, SNMPv3 is not used in System Management Console, so no problem occurs.

Therefore, do not care about these warning messages disregarding it.

As for the part of the bold-faced type, of messages related to above-mentioned gconfd, the thing controlled by the method of setting the following is possible.

[Method of setting message control]

- 1) In system administrator authority (root), log in System Management Console.
- 2) Confirm all other users are logging out.
- 3) Stop by the following command when GConf daemon (gconfd-2) starts.

```
# gconftool-2 --shutdown
#
```

- 4) Open /etc/gconf/2/path in the vi editor.

```
# vi /etc/gconf/2/path
```

5) It is /etc/gconf/2/path and a comment out as for the following two lines.

[Before the comment out]

```
apoc:readonly:mandatory@  
:  
apoc:readonly:  
:
```

[After the comment out]

```
#apoc:readonly:mandatory@  
:  
#apoc:readonly:  
:
```

(2) Example of message 2 (Since Solaris™ 9 OS)

```
Oct 25 16:53:43 xxxxx lockd[253]: [ID 841824 user.error] Unable to use FX  
scheduler:Invalid argument.  
Using system default scheduler.
```

39. When the following multiple failures occur, the failover by Hot Spare Configuration is not done.

- The error occurred in the port of System Control LAN#1 of SMC in the state of Standby, and the error occurred in SMC in the state of Service.

40. When SMC starts, it might make core file in the root directory.

However, there are no problems in the operation of SMC and the operation of the system.

41. RC2000 (rcmanager) might output a core file, if smc is shutdown or a user logs off smc while the console window is open.

This is a program termination error, and the subsequent operations will not be affected.

Please delete the core file.

The core file will not be created, if smc is shutdown or a user logs off smc after closing all the console windows.

42. The following messages may appear during the start of FJVTS in the environment of Solaris™ 9 OS or Solaris™ 10 OS, but there is no problem with your system.

[Examples of Messages]

```
Aug 10 09:51:08 xxxxx SunVTS5.1ps3: Warning: cXtXdXsX, disk: Probable Cause: No
```

```
media in the drive.
or
Aug 10 09:51:08 xxxxx SunVTS5.1: Error: cXtXdXsX, disk: Probable Cause: No media in
the drive
```

(cXtXdXsX is the device name of the CD drive of System Management Console.)

43. When you try NFS mount of CD/DVD drive of System Management Console, the mount may fail with the following message.

[Message]

```
nfs mount: mount: XXXX: Stale NFS file handle
```

(XXXX indicates a mount point.)

[Resolution]

From the side of partition, specify "NFS version 2" to perform the mount.

Please see below.

```
# mount -F nfs -o ro,vers=2 XX:/cdrom/YY /ZZ
```

"XX" : The hostname or IP address of System Management Console

"YY" : The name of CD-ROM

"ZZ" : The mount point

44. During a temporary boot (if the temporary boot is omitted, during a network installation) that is performed when Solaris 10 OS 8/07 is installed on partition by using partition installer, an inquiry about NFSv4 domain occurs. So please be sure to apply the following patch after installing System Console Software.

```
Patch No: 914623-01 (FJSVclis) or newer
```

[Procedure to apply patch]

- 1) Log in to System Management Console as root and please follow the steps below to stop your system and reboot it in single-user mode.

```
# cd / ; /usr/sbin/shutdown -y -i0 -g0
:
ok boot -s
```

- 2) Patch 914623-01 is applied.

The following describes the procedure for applying the patch.

In this case, the patch is placed under /var/tmp on a target machine.

```
# cd /var/tmp
# zcat 914623-01.tar.Z | tar xvf -
# patchadd 914623-01
```

- 3) Please execute the following command after installing the patch and reboot your system.

```
# /usr/sbin/shutdown -y -i6 -g0
```

Appendix A HCP firmware file registration procedure to system console

Please install HCP firmware to SMC, which is used in, or is being to ship to your customer, according to the following procedure.

Some spare part has firmware, which is a part of HCP. So, when you have to replace some part with the spare part, you have to match the revision of HCP between what is in the Server and what is in the spare part. We are now preparing this procedure about how to match them.

Anyway, HCP should be installed to SCS to download it to spare part.

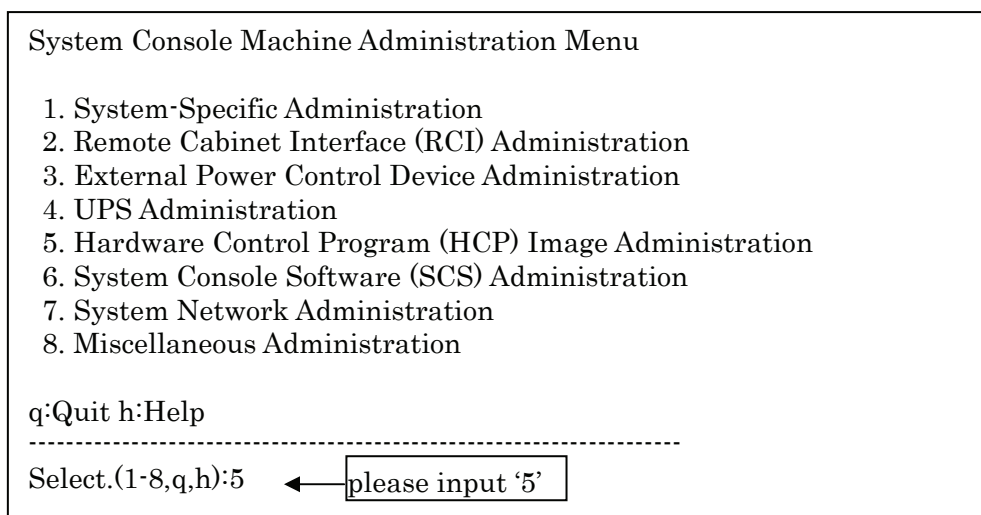
The procedure to install the HCP file in system console is as follows.

Following image is just example. Revision number should be different for each Sever. Please install HCP, which is as same revision as what is installed to Server, to SMC.

Following image is from SCS 1.4.1 or later. So, if you use SCS 1.3, for example, you will see other description. But, number of the menu item is the same.

If you have already updated the HCP with this SCS, the SCS had already had HCP. So, you don't have to do the following.

1. Please insert the CD-ROM of HCP in the drive.
2. Please select "5. Hardware Control Program (HCP) Image Administration" from the System Console Machine Administration Menu.



3. Please select "CD-ROM" from the "Hardware Control Program(HCP) Image Administration" menu.

```

Hardware Control Program (HCP) Image Administration

1 . Display of Hardware Control Program (HCP) Image(s) Stored on
SMC
2 . Hardware Control Program (HCP) Image Administration

q:Quit b:Back to previous menu t:Go to top menu h:Help
-----<-----please input '2'-----
Select.(1-2,q,b,t):2
  
```

```

Hardware Control Program (HCP) Image Administration

1. CD-ROM
2. Work Area

WARNING: This operation should be performed by trained service
personnel only.

q:Quit b:Back to previous menu t:Go to top menu h:Help
-----
Select.(1-2,q,b,t):1 <-----please input '1'
  
```

4. Please confirm the Total Revision level of a HCP to register, and input one.

```

Hardware Control Program (HCP) Image Administration

No. Total Revision      Build Date
1 . 00.22.0000          2000.04.25 07:49:39
q . Quit

q:Quit b:Back to previous menu t:Go to top menu h:Help
-----
Select.(1,q,b,t):1 <-----please input '1'
  
```


5. Please confirm each device e/c level in integrated e/c level, and input one.

```

Total Revision  00.22.0000      2000.04.25 07:49:39

Unit           Version
SCF Board  LCI      00.03.0000
SCF Board  SCF      01.14.0003
SCF Board  OBP      11.01.0019
XB-DDC     LCI      01.00.0000
FAN        LCI      01.00.0000
Panel Board LCI      01.00.0007
Panel Board NCI     01.00.0000
FEP        LCI      01.00.0000
System Board LCI    01.00.0005
System Board POST   01.02.0001
XB Board   LCI      01.00.0003

1 . catalog
q . Quit

q:Quit b:Back to previous menu t:Go to top menu h:Help
-----
Select.(1,q,b,t):1  ← 

```

6. Please confirm registration has been completed and the menu returns to the "Hardware Control Program (HCP) Image Administration" menu.

```

Hardware Control Program (HCP) Image Administration

1 . Display of Hardware Control Program (HCP) Image(s) Stored on SMC
2 . Hardware Control Program (HCP) Image Administration

q:Quit b:Back to previous menu t:Go to top menu h:Help
-----
Select.(1-2,q,b,t):

```

7. If you have never updated the HCP with this SMC, please also do the following. Type 't', then you'll get back to top menu.
8. Please confirm the total version number information on the server as follows.
- (1) Beginning of work of version number confirmation
- Please turn off the power supply of the server (The PANEL display is in the state of POWER-ON READY). And set the PANEL switch in MAINTENANCE.

(2) Execution of version number adjustment confirmation

1. Please choose the menu of "Current Hardware Control Program (HCP) Revision Display" as follows.

[System Console Machine Administration Menu]

"1.System-Specific Administration"



"5.Hardware Control Program (HCP) Update Administration"

"1.Current Hardware Control Program (HCP) Revision Display"

2. Please select "c. Version number adjustment confirmation" from the screen of "Current Hardware Control Program(HCP) Revision Display".

Machine0 System-Specific Administration
Current Hardware Control Program(HCP)Revision Display

Current Total Revision
Next Total Revision

No. Unit Current Version Next Version

- 1 . SCF Board OBP
- 2 . SCF Board SCF
- 3 . SCF Board LCI
- 4 . SCF Board SCI
- 5 . SCF Board RCI
- 6 . System Board POST
- 7 . System Board LCI
- 8 . System Board SCI
- 9 . XB Board LCI
- 10. Panel Board LCI
- 11. FEP LCI
- 12. XB-DDC LCI
- 13. FAN LCI

m. Manual Update
a. Auto Update
c. Version number adjustment confirmation ← (When the update by SCS is unapplied, this is displayed)

Please select number to display Version for each Unit
Installed in the server.

q: Quit b:Back to previous menu t:Go to top menu h:Help

Select.(1-13,m,a,c,q,b,t):c ← please input 'c'

The thing with correct number of devices of Hardware Control Program(HCP)versions was confirmed.

3. Please confirm the message of “The thing with correct number of devices of Hardware Control Program (HCP) versions was confirmed”.

The total version number to the server comes to be displayed on the screen of "Current Hardware Control Program (HCP) Revision Display" by the above-mentioned procedure.

Appendix B About System Management Console (SMC) operation

1. One SMC can support eight servers or less.
2. When server is PRIMEPOWER900/1500/2500/HPC2500, the internal disk is necessary for SMC by 18GB or more.
3. There are the following remarks concerning the number of partitions when PRIMEPOWER900/1500/2500 is controlled with PRIMEPOWER100/200 SMC.

[Relation between number of partitions and memory capacity on the PRIMEPOWER100 SMC]

Number of partitions	Memory / Swap		
	256MB / 2GB or more (Standard conf.)	512MB / 2GB or more (Add 256MB Memory)	768MB / 2GB or more (Add 512MB Memory)
Up to 4	OK	OK	OK
Up to 8	OK*	OK	OK
Up to 12	NG	OK*	OK
Up to 16	NG	OK*	OK

*: The response in the operation menu deteriorates when the WSA server is installed in the SMC.

[Relation between number of partitions and memory capacity on the PRIMEPOWER250 SMC]

Number of partitions	Memory / Swap		
	1GB / 4GB or more (Standard conf.)	2GB / 4GB or more (Add 1GB Memory)	3GB / 4GB or more (Add 2GB Memory)
Up to 16	OK	OK	OK
Up to 24	OK	OK	OK
Up to 32	OK*	OK	OK
Up to 48	NG	OK*	OK

*: The response in the operation menu deteriorates when the WSA server is installed in the SMC.

Please add the memory of SMC according to the number of partitions.

The number of windows of RC2000 which always opens recommends about 16 windows.

4. When server is PRIMEPOWER800/1000/2000 or GP7000F Model 1000/2000, one server can be set by 15 partitions or less.

But, following number of windows is assumed to manage partitions:

Up to 16 RC2000-windows at the same time on a machine with 256MB of main memory.

However, the number of above-mentioned windows decreases by the number of another window (Netscape etc.).

If you want to use more than 16 windows, please add main memory to SMC. When your system has 512MB main memory, you may be able to have up to 32 windows. However, the number of windows may be decreased when you open any other windows, such as for Netscape.

5. Please increase it if necessary in consideration of the resource such as memory/disk of each product when you install the following software.
 - Java version RC2000 which is option of System Console Software package
 - WebSysAdmin
 - Other management software

Please consult Fujitsu engineer about details.

6. System Management Console is a device to do a watch and various settings of the main body processor.

Please do not install software which influences the System Management Console function, and do not use it by other usages.

It becomes application and operation by the customer responsibility excluding the test of program operation ending software in System Management Console.

7. Operation with two or more Ethernet Card is not supported.

Appendix C Procedure to apply patch

The procedure to apply patches of notes 23(Patch: 912071-01), 26(Patch: 912847-02) and notes 27(Patch: 912861-01) is described.

When the patch is appropriated, CD-ROM drive uses the System Management Console. If you operate the OS console on the System Management Console, use the RC2000.

In the following description, it assumes at the shell prompt, that operations performed in the System Management Console window use the "SMC," and with PRIMEPOWER800/900/1000/1500/2000/2500/HPC2500 and GP7000F Models use the "RC2000."

1. Insert the System Console Software CD-ROM into the CD-ROM drive connected to the System Management Console.

2. Type "su" at the shell prompt.

```
RC2000 % su <Return>
```

3. Enter the root (superuser) password.

```
Password:password <Return>
```

```
RC2000 #
```

4. Enter the OpenBoot environment.

```
RC2000 # /usr/sbin/shutdown -y -g0 -i0 <Return>
```

5. Boot the system in single-user mode.

```
{?} ok boot -s <Return>
```

When the following message is displayed, enter the password.

```
INIT: SINGLE USER MODE
```

```
Type Ctrl-d to proceed with normal startup,
```

```
(or give root password for system maintenance): password <Return>
```

6. Mount the required file system.

```
RC2000 # /usr/sbin/mountall -l <Return>
```

7. Activate the network.

```
RC2000 # /etc/init.d/inetinit start <Return>
```

8. Start the RPC service.

```
RC2000 # /etc/init.d/rpc start <Return>
```

9. Activate the network interface.

```
RC2000 # /etc/init.d/inetsvc start <Return>
```

10. Start the nfs client.

```
RC2000 # /etc/init.d/nfs.client start <Return>
```

11. Mount the CD-ROM.

```
RC2000 # mkdir -p /cdrom <Return>  
RC2000 # /usr/sbin/mount -F nfs -o ro host:/cdrom/cdrom0 /cdrom <Return>
```

host: host name of System Management Console

12. Change the directory to the CD-ROM drive.

```
RC2000 # cd /cdrom/cdrom0/espatch <Return>
```

13. The application command of the patch is executed.

```
RC2000 # /usr/sbin/patchadd patch_number <Return>
```

patch_number: 912071-01, 912847-02, 912861-01

14. Unmount the CD-ROM.

```
RC2000 # cd / <Return>  
RC2000 # /usr/sbin/umount /cdrom <Return>
```

15. Eject the CD-ROM.

```
System Console # cd / <Return>  
System Console # eject cdrom <Return>
```

Appendix D Adding More Swapping Space

The procedure to add the swap spaces of notes 24 is described.

1. Login as root. And open the “Terminal Console”.

2. Shutdown the SMC to OBP.

```
# /usr/sbin/shutdown -g0 -y -i0 <Return>
```

3. Boot the system in single-user mode.

```
{?} ok boot -s <Return>
```

When the following message is displayed, enter the password.

```
INIT: SINGLE USER MODE
```

```
Type Ctrl-d to proceed with normal startup,
```

```
(or give root password for system maintenance): password <Return>
```

4. Create the Swap File

```
# cd /opt <Return>
```

```
# mkfile <nnn>m smcswap <Return>
```

Specify the size *nnn* (in M bytes) of the added swap file.

5. Add the following one line into /etc/vfstab file to add the entry for the swap file.

```
/opt/smcswap - - swap - no -
```

6. Reboot the system.

```
# /usr/sbin/shutdown -g0 -y -i6 <Return>
```

7. After log in, verify that one line of /opt/smcswap is added.

```
# /usr/sbin/swap -l <Return>
```

```
swapfile          dev  swaplo blocks    free
/dev/dsk/c1t0d0s1  XX,X    XX XXXXXXXX XXXXXXXX
/opt/smcswap       -        XX XXXXXXXX XXXXXXXX
```


Appendix E PRIMEPOWER250 SMC Preinstall information

The installation and setting the following software are done, and PRIMEPOWER250 SMC (System Management Console) is shipped.

1. Install Contents of Solaris™ 8, 9 Operating System

Item	Setting
Select a Language	[0.English]
Select a Locale	[0. English (C - 7-bit ASCII)]
Network Connectivity	[Yes]
DHCP	[No]
Primary NetworkInterface	[hme0]
Host name	[dummy]
IP Address	[192.168.0.1]
Subnets	[Yes]
Netmask	[255.255.255.0]
IPv6	[Yes]
Default Route (Solaris 9 only)	[Detect one upon reboot]
Configure Security Policy	[No]
Name Service	[None]
Time zone, Geographic Region	Geographic Region:[Asia,Eastern], Time zone:[Japan]
Available Solaris Software groups	[Entire Distribution plus OEM support]
Installed with 64-bit and 32-bit support	64-bit
Arrangement of file system and disk	slice system capacity of slice 0 / XXXX Mbyte=(All capacity)-4160 Mbyte 1 swap 4096 Mbyte 2 overlap All capacity

2. Install Contents of Solaris™ 10 Operating System

Item	Setting
Select a Language	[0.English]
Network Connectivity	[Networked]
Configure Multiple Network Interfaces	[hme0]
DHCP	[No]
Host name	[dummy]
IP Address	[192.168.0.1]
Netmask	[255.255.255.0]
IPv6	[Yes]
Set the Default Route	[Detect one]
Kerberos	[No]

Name Service	[None]									
NFSv4 Domain Name *2	[Use the NFSv4 domain derived by the system]									
Time Zone	[Geographic Continent/Country/Region]									
Continent and Country	[Asia,Japan]									
Root Password	[None] - No password is set at the shipment of SMC. - If you set no password, an warning message appears but since the message does not affect subsequent installation, select "OK".									
Enabling Remote Services *3 *4	[Yes]									
Select Type of Install	[Custom Install]									
Select Software Localizations	Unselection									
Select System Locale	[English (POSIX C)]									
Select Products	Unselection									
Additional Products	[None]									
Select Solaris Software Group	Default Packages - [Entire Group Plus OEM]									
Lay Out File Systems	<table border="0"> <tr> <td>slice</td> <td>system</td> <td>capacity of slice</td> </tr> <tr> <td>0</td> <td>/</td> <td>XXXX Mbyte=(All capacity)-4160 Mbyte</td> </tr> <tr> <td>1</td> <td>swap</td> <td>4096 Mbyte</td> </tr> </table>	slice	system	capacity of slice	0	/	XXXX Mbyte=(All capacity)-4160 Mbyte	1	swap	4096 Mbyte
slice	system	capacity of slice								
0	/	XXXX Mbyte=(All capacity)-4160 Mbyte								
1	swap	4096 Mbyte								

*2 This inquiry will be made if the version of your operating system is Solaris™ 10 OS 8/07 or later.

*3 This inquiry will be made if the version of your operating system is Solaris™ 10 OS 11/06 or later.

*4 Please there is no influence in the installation work and select "Accept" though the following error messages are output by the default route check when information is confirmed.

The route could not be detected at this time. If you wish to accept the settings provided, press 'Accept' and auto detection will be set for reboot, otherwise press 'Cancel' and provide another address.

2.1 About the setting after installation

(1) Please input < Return > or "no" to NFSv4 in SMC for the unupport though the following messages are output by the reboot after the installation is completed.

(Attention) The following messages are not output in Solaris™ 10 OS 8/07.

Do you need to override the system's default NFS version 4 domain name (yes/no) ? [no] :

Please change an environment definition which the NFS server and is both NFS client to NFS version 3 according to the following procedures, and

operate it after completing the reboot.

- (2) "Sun Update Manager Registration Wizard" or "Solaris Manager Registration Wizard" may be displayed after logging in to the system where Solaris™ 10 OS has been installed.

[Corrective action of Sun Update Manager Registration Wizard]

Select "Never Register" and press "Next" because Sun Update Manager is unsupported. Please select "Discard Registration" when the following message appears after executing this procedure.

Canceling the registration process will discard the information you have entered. Please either confirm that you wish to exit, or instead continue.

[Corrective action of Solaris Registration Wizard]

Select "Run the Solaris software without registering" and press "Next" because Solaris Registration is unsupported.

Please select "Never Register" when the following message appears after executing this procedure.

If you choose to never register, you will not be able to obtain the benefits of Solaris registration with Sun.

- (3) /etc/default/nfs file is edited.

Please change an environment definition which the NFS server and is both NFS client to NFS version 3 according to the following procedures because NFS version 4 in Solaris™ 10 OS is a limitation.

- The following parts of /etc/default/nfs file are added.

```
# Sets the maximum version of the NFS protocol that will be registered
# and offered by the server. The default is 4.
#NFS_SERVER_VERSMAX=4
NFS_SERVER_VERSMAX=3    <== This definition is added.
:
# Sets the maximum version of the NFS protocol that will be used by
# the NFS client. Can be overridden by the "vers=" NFS mount option.
# If "vers=" is not specified for an NFS mount, this is the version
# that will be attempted first. The default is 4.
#NFS_CLIENT_VERSMAX=4
NFS_CLIENT_VERSMAX=3    <== This definition is added.
```

- The NFS server service is reactivated.

```
# svcadm disable network/nfs/server
# svcadm enable network/nfs/server
```

(4) /etc/gconf/2/path file is edited.

Please comment out like below in the /etc/gconf/2/path file to restrain SMC monitoring messages from outputting warning messages related to "gconfd".

```
apoc:readonly:mandatory@ <== Please add "#" in the head of this definition to comment out.
:
apoc:readonly: <== Please add "#" in the head of this definition to comment out.
:
```

* SMC with Solaris™ 10 OS 8/07 pre-installed has the above settings.

2.2 About notes of Solaris™ 10 OS 8/07

- (1) Name Service Cache Daemon, nscd(1M) is not running on the System Management Console for Solaris™ 10 OS 8/07 because there is a limitation for use of name service cache daemon nscd(1M).

The following shows how to stop nscd(1M).

Use the svcadm(1M) command to stop the name service cache daemon, nscd(1M).

```
# svcadm disable svc:/system/name-service-cache:default
#
```

- (2) Please be sure to install the latest FJ RSPC after installing the OS if Solaris™ 10 OS 8/07 is pre-installed on SMC.

Regarding installation instructions and notes on installation, refer to a README for FJ RSPC.

3. FJ-qfe driver pkg or FJ-qge driver pkg install

Please refer to "INSTALLATION GUIDE FUJITSU PCI Quad 10/100 Ethernet" or "INSTALLATION GUIDE FUJITSU PCI GigabitEthernet" on "FUJITSU PCI Quad 10/100 Ethernet" or "FUJITSU PCI GigabitEthernet" CD-ROM for the installation method.

The problem is not simultaneously in the patch with OS to have installed it though the following messages might be displayed when "FUJITSU PCI GigabitEthernet" is installed.

```
The following requested patches are already installed on the system
Requested to install patch 120462-04 is already installed on the system.
```

```
No patches to check dependency.  
patchadd 120462-04 exit status: 1  
See logfile: /var/sadm/install/logs/FJSVgid_cdrom_prodsetup.log
```

4. XVR-100 software Install (For Solaris™ 8 OS).

Please refer to "INSTALLATION GUIDE Sun™ XVR-100 graphics accelerator for PRIMEPOWER" on Sun™ XVR-100 graphics accelerator CD-ROM for the installation method.

5. System Console Software install

Regarding installation instructions for installing System Console Software, refer to "INSTALLATION GUIDE System Console Software".

6. Solaris PTF install

You need to install "Solaris PTF" and "Solaris Unbundled PTF (PRIMEPOWER/GP7000F) Disc 2" for Solaris OS on SMC.

Regarding instructions for installing "Solaris PTF", refer to "PTF Guide Solaris PTF".

If you want to install "Solaris Unbundled PTF (PRIMEPOWER/GP7000F) Disc 2", use the scspatchadd command.

Regarding the scspatchadd command and the installation procedure, refer to "PTF Guide Solaris Unbundled PTF".

7. The setting of DAT device to "/kernel/drv/st.conf" file is set with "Tape driver configuration tool" automatically and as follows. Refer to "Tape driver configuration tool User's Guide" for details.

```
tape-config-list=  
"SEAGATE DAT DAT72-000","SEAGATE_DAT__DAT72-000","SEAGATE_DAT__DAT72-000";  
SEAGATE_DAT DAT72-000= 1, 0x34, 0, 0x9639, 4, 0x00, 0x8c, 0x8c, 0x8c, 3;
```

Please input to the following commands and confirm hardware information.

```
# /usr/sbin/prtconf -v
```