Areas Covered

Before Reading This Manual

This section explains the notes for your safety and conventions used in this manual.

Chapter 1 Overview of RemoteControlService

This chapter explains the overview of RemoteControlService and notes to consider for use.
Please make sure to read these sections before using RemoteControlService.

Chapter 2 Preparation

This chapter explains a preparation for the use of RemoteControlService.

Chapter 3 Starting and Exiting

This chapter explains how to start and exit RemoteControlService/Web along with its menu.

Chapter 4 How to Use

This chapter explains how to use RemoteControlService/Web.
For details, refer to the corresponding online help.

Before Reading This Manual

Remarks

■ Symbols

Symbols used in this manual have the following meanings:

IMPORTANT	These sections explain prohibited actions and points to note when using this software. Make sure to read these sections.
POINT	These sections explain information needed to operate the hardware and software properly. Make sure to read these sections.
→	This mark indicates reference pages or manuals.

■ Key Descriptions / Operations

Keys are represented throughout this manual in the following manner:

E.g.: [Ctrl] key, [Enter] key, [→] key, etc.

The following indicate the pressing of several keys at once:

E.g.: [Ctrl] + [F3] key, [Shift] + [↑] key, etc.

■ Consecutive Operations

Consecutive operations are described by connecting them with "–".

Example: For the operation to click the [Start] button, point to [Programs], and click [Accessories]

↓

Click [Start] – [Programs] – [Accessories].

■ CD/DVD Drive Descriptions

In this manual, both CD-ROM and DVD-ROM drives are described as a CD/DVD drive.

Select a proper drive depending on your environment.

■ Entering Commands (Keys)

Command entries are written in the following way:

```
diskcopy  a:  a:
          ↑   ↑
```

- In the spaces indicated with the "↑" mark, press the [Space] key once.
- CD/DVD drive letter is shown as [CD/DVD drive]. Enter your drive letter according to your environment.

  [CD/DVD drive]:\setup.exe

■ Operations for Linux

The mount commands for CD/DVD drive and floppy disk drive differ depending on the version. Interpret "/mnt/cdrom/, /media/cdrom/ or /media/cdrecorder/" and "mnt or media/floppy" in this manual as follows depending on your Linux version.

- For RHEL-AS4(x86)/ES4(x86)/AS4(IPF)
  /media/cdrecorder, /media/floppy
- For RHEL5(x86)/RHEL5(Intel64)/RHEL-AS4(EM64T)/ES4(EM64T)
  /media/cdrom, /media/floppy

IMPORTANT

- For RHEL5(x86)/RHEL5(Intel64), perform the following steps to mount drives.

```
# mkdir /media/cdrom
# mount /dev/cdrom /media/cdrom
or
# mkdir /media/floppy
# mount /dev/floppy /media/floppy
```

- For RHEL-AS3(x86)/AS3(IPF)/ES3(x86)
  /mnt/cdrom, /mnt/floppy

■ Screen Shots and Figures

Screen shots and figures are used as visual aids throughout this manual. Windows, screens, and file names may vary depending on the OS, software, or configuration of the server used. Figures in this manual may not show cables that are actually connected for convenience of explanation.

■ Abbreviations

The following expressions and abbreviations are used throughout this manual.

table: Abbreviations of Product Names

Product name	Expressions and abbreviations	
Microsoft® Windows Server® 2008 Standard Microsoft® Windows Server® 2008 Enterprise Microsoft® Windows Server® 2008 Datacenter Microsoft® Windows Server® 2008 Standard without Hyper-V™ Microsoft® Windows Server® 2008 Enterprise without Hyper-V™ Microsoft® Windows Server® 2008 Datacenter without Hyper-V™	Windows Server or Windows Server 2008 (64-bit)	Windows
Microsoft® Windows Server® 2003, Standard Edition Microsoft® Windows Server® 2003, Enterprise Edition Microsoft® Windows Server® 2003, Standard x64 Edition Microsoft® Windows Server® 2003, Enterprise x64 Edition Microsoft® Windows Server® 2003, Enterprise Edition for Itanium-based Systems Microsoft® Windows® Small Business Server 2003	Windows Server 2003	
Microsoft® Windows Server® 2003 R2 Standard Edition Microsoft® Windows Server® 2003 R2 Enterprise Edition Microsoft® Windows Server® 2003 R2 Standard x64 Edition Microsoft® Windows Server® 2003 R2 Enterprise x64 Edition Microsoft® Windows® Small Business Server 2003 R2 Microsoft® Windows® Storage Server 2003 R2, Standard Edition	Windows Server 2003 R2	
Microsoft® Windows® 2000 Server Microsoft® Windows® 2000 Advanced Server	Windows 2000 Server	
Microsoft® Windows® Server Network Operating System Version 4.0 Microsoft® Windows NT® Server, Enterprise Edition 4.0	Windows NT	
Microsoft® Windows® XP Professional	Windows XP	
Microsoft® Windows® 2000 Professional	Windows 2000	
Microsoft® Windows NT® Workstation Operating System 4.0	Windows NT 4.0	
Red Hat Enterprise Linux 5 (for x86)	Red Hat Linux	Linux
	RHEL5(x86)	
Red Hat Enterprise Linux 5 (for Intel64)	RHEL5(Intel64)	
Red Hat Enterprise Linux AS (v.4 for x86)	RHEL-AS4(x86)	
Red Hat Enterprise Linux ES (v.4 for x86)	RHEL-ES4(x86)	
Red Hat Enterprise Linux AS (v.4 for EM64T)	RHEL-AS4(EM64T)	
Red Hat Enterprise Linux ES (v.4 for EM64T)	RHEL-ES4(EM64T)	
Red Hat Enterprise Linux AS (v.3 for x86)	RHEL-AS3(x86)	
Red Hat Enterprise Linux AS (v.3 for Itanium)	RHEL-AS3(IPF)	
Red Hat Enterprise Linux ES (v.3 for x86)	RHEL-ES3(x86)	
SUSE® LINUX® Enterprise Server 9 for x86	SUSE Linux	
	SLES9(x86)	
Intel LANDesk® Server Manager	LDSM	

table: Abbreviations of Product Names

Product name	Expressions and abbreviations
Remote Service Board (PG-RSB102/PG-RSB103/PG-RSB104/PG-RSB105)	Remote Service Board
Remote Management Controller (iRMC/IRMC S2)	Remote Management Controller or iRMC

Reference Information

■ Supported OS Associated with Machine Types

Some OS described in this manual may not be supported depending on machine types. Please confirm the supported OS for your server in the manuals supplied with each server.

■ Latest Information about ServerView

For the latest information regarding ServerView, refer to the Fujitsu PRIMERGY website (http://primergy.fujitsu.com).

■ Trademarks

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Chapter 1

Overview of RemoteControlService

This chapter explains the overview of RemoteControlService and notes to consider for use.

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1.1 RemoteControlService

RemoteControlService is software that remotely controls the PRIMERGY server. This section describes the functions of RemoteControlService and its system requirements.

■ RemoteControlService

By using RemoteControlService, the server can be controlled remotely from administration terminal to control the power supply and display current power supply status of the server. Also, text-based console redirection can be displayed.

1.1.1 Components of RemoteControlService

RemoteControlService consists of the following two components on the server side and administration terminal side.

■ Server Side Components [iRMC, BMC]

- iRMC (integrated Remote Management Controller)
  This is a server's iRMC function that is equivalent to the function of the onboard RSB.
  The following servers support this function.
  PRIMERGY RX300 S3 / PRIMERGY RX200 S3 / PRIMERGY TX200 S3 / PRIMERGY TX150 S5 / PRIMERGY RX100 S4 / PRIMERGY TX120 / PRIMERGY TX150 S6 / PRIMERGY RX200 S4 / PRIMERGY TX300 S4 / PRIMERGY RX300 S4 / PRIMERGY RX600 S4 / PRIMERGY RX100 S5

  POINT

  - On the PRIMERGY server with iRMC installed, using iRMC Web interface allow to use the functions of power supply management and text-based console redirection without installing RemoteControlService/Web.
    For details, refer to "Remote Management Controller Use's Guide".

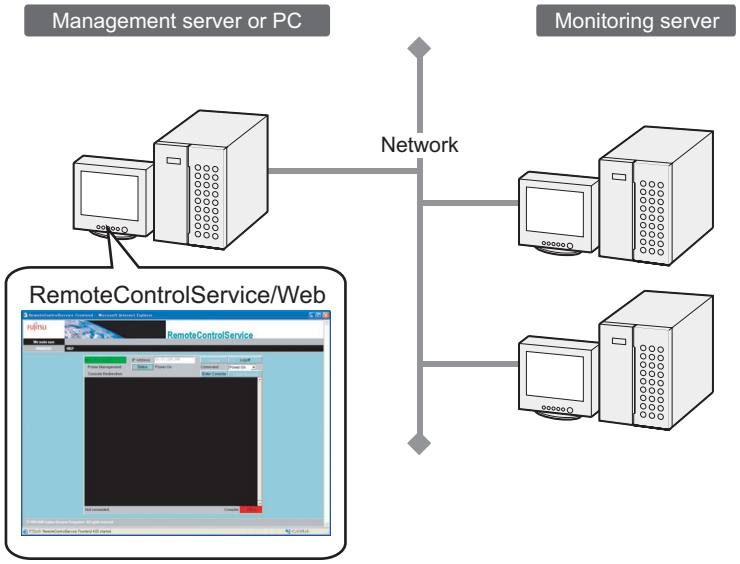
- BMC (IPMI over LAN)
  This is a server's BMC (IPMI over LAN) function that provides reset, power OFF/ON, console redirection in text modes and so on.
  The following servers support this function.
  - IPMI 1.5
    PRIMERGY RX100 S3 / PRIMERGY TX150 S4
  - IPMI 2.0
    PRIMERGY RX600 S2 / PRIMERGY RX600 S3

POINT

- For the support of blade servers, refer to "PRIMERGY BX600 Hardware Guide (Management Blades)".

■ Administration Terminal Side Component [RemoteControlService/Web]

This software that remotely controls the server is installed in an administration terminal. RemoteControlService/Web installs as a plug-in of ServerView Console (ServerView S2), and is software of the Web base that remotely controls the server.



1.1.2 Functions

RemoteControlService/Web includes the following functions:

- Remote Management by Telnet connection:
  Remote Management Controller, Remote Service Board / Remote Service Controller, Management Blade
- Remote Management by SSH connection: Remote Management Controller
- Remote Management by IPMI connection: iRMC / BMC (IPMI over LAN)

■ Remote Management by Telnet / SSH connection

The power supply management function and the text-based console redirection function are provided.

POINT

- The console redirection function cannot be used on the management blade.

■ Remote Management by IPMI Connection

The power supply management function and the text-based console redirection function are provided.

1.1.3 System Requirements

System requirements for servers and administration terminals are as follows.

■ Server

table: System Requirements for Servers

Hardware	Software
• BMC: BMC firm version 2.xx or later • iRMC: iRMC installed on the server RX300 S3 or later	No particular conditions

■ Administration Terminal

This can be used for the servers (terminals) that ServerView S2 is installed on.

1.2 Notes

Notes for using the RemoteControlService are the following.

■ RemoteControlService/LAN

RemoteControlService/Web cannot be used together with RemoteControlService/LAN. When using RemoteControlService/Web, uninstall RemoteControlService/LAN first.

■ IPMI (Intelligent Platform Management Interface)

The IPMI function depends on machine type.

● Notes for "QLogic RMCP Filter"

Some servers require "QLogic RMCP Filter" on the administration terminal to execute the console redirection through IPMI.

● Range of the Redirection Through IPMI

The redirection through IPMI covers a range between the time after the end of BIOS memory checking and the time prior to the OS startup as well as a period of the DOS mode.
The redirection in other states of the server is unsupported.

● IPMI Connection between Different Segments

The IPMI connection can connect to any networks in different segments.
In this case, the port number 623 must be opened in a target network.

Chapter 2
Preparation

This chapter explains a preparation for the use of RemoteControlService.

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2.2 Configuration for iRMC 18
2.3 Configuration for IPMI 20

2.1 Installing / Uninstalling RemoteControlService/Web

This section describes how to install/uninstall RemoteControlService/Web into an administration terminal.

IMPORTANT

- It is necessary to install ServerView S2 beforehand to install RemoteControlService/Web.
- Do not uninstall ServerView S2 before uninstalling RemoteControlService/Web.
- You cannot activate the Update Installation. Make sure to uninstall RemoteControlService/Web in advance.

POINT

- The PRIMERGY server with iRMC installed uses iRMC Web interface. Installing RemoteControlService/Web is not necessary. The only thing you need to do is setting.
  →"2.2 Configuration for iRMC" (pg.18)
  For the server with iRMC installed, check "■ Server Side Components [iRMC, BMC]" (→pg.10).

2.1.1 For Windows

■ Installing

1. Log in as the user name with administrator privileges or equal privileges.
2. Exit all running applications.
3. Start the following installer from the PRIMERGY Startup Disc.
   [CD/DVD drive]:\PROGRAMS\Japanese2\SVMANAGE\WinSVRcs\SV_Rcs.bat
   RemoteControlService/Web will be installed.

■ Uninstalling

Use [Add/Remove Programs] in [Control Panel] when uninstalling RemoteControlService/Web. Make sure to uninstall "QLogic RMCP Filter" first when "QLogic RMCP Filter" has been installed.

2.1.2 For Linux

■ Installing

1. Log in as the user name with administrator privileges or equal privileges.
2. Exit all running applications.
3. Start the following installer from the PRIMERGY Startup Disc:

```
# mount /mnt/cdrom/, /media/cdrom/ or /media/cdrecorder/
# cd /mnt/cdrom/, /media/cdrom/ or /media/cdrecorder/PROGRAMS/
Japanese2/Svmanage/Linux/ENGLISH/sv
# ./InstallRCSW.sh RemoteViewFE-X.X-X.i386.rpm
(X.X-X indicates version number.)
```

■ Uninstalling

Execute the following command.

```
# rpm -e RemoteViewFE
```

2.2 Configuration for iRMC

To use iRMC, the settings on BIOS and Server Management Tools (IPMIview) are required. The setting method might be different according to the server model or version of firmware/BIOS. For details, refer to "User's Guide" of your server.

2.2.1 Settings on the Server Side

Set an IP address, a user name and a password, referring to "Remote Management Controller User's Guide".

2.2.2 Configuration of the Console Redirection

Start the BIOS Setup Utility and configure the following settings. The settings vary depending on the server model. Please check your server model.

POINT

- When using power management only, this configuration is not required.

■ For the Server with iRMC Installed (Except PRIMERGY RX600 S4 / PRIMERGY TX150 S6 / PRIMERGY RX100 S5)

For the server with iRMC installed, check "■ Server Side Components [iRMC, BMC]" (→pg.10). Configure the following settings.

table: Setting Items for BIOS Setup Utility

Items	Settings
[Advanced] - [Peripheral Configuration]	
Serial 1	Enabled or Auto
Serial Multiplexer	System
[Server] - [Console Redirection]	
Console Redirection	Enabled
Port	Serial 1
Baud Rate	9600
Protocol	VT100+
Flow Control	CTS/RTS
Mode	Enhanced

■ For PRIMERGY RX600 S4

For PRIMERGY RX600 S4, configure the following setting.

table: Setting Items for BIOS Setup Utility

Items	Settings
[Advanced] - [Peripheral Configuration]	
Serial 1	Auto
Serial Multiplexer	System
[Server] - [Console Redirection]	
Port	Serial 1
Baud Rate	57.6K
Protocol	VT100+
Flow Control	CTS/RTS
Console Connection	Direct
Mode	Enhanced
# of video pages to support	1

■ For PRIMERGY TX150 S6 / PRIMERGY RX100 S5

For PRIMERGY TX150 S6 / PRIMERGY RX100 S5, configure the following settings.

table: Setting Items for BIOS Setup Utility

Items	Settings
[Advanced] - [Peripheral Configuration]	
Serial 1	Auto
Serial Multiplexer	System
[Server] - [Console Redirection]	
Com Port Address	On-board COM A
Baud Rate	9600
Console Type	VT100+
Flow Control	CTS/RTS
Continue C.R. after POST	ON

2.3 Configuration for IPMI

To use IPMI, it is necessary to set up it using Server Management Tools (IPMIview). The setting procedure depends on machine type and BIOS version. For details, refer to "User's Guide" for your server.

2.3.1 Common Setting on the Server Side

1. Select [User Management] from the [Server Management Tools] menu.
2. Specify the password for ID3 of "Administrator".
   This user name "Administrator" and its password are used for connecting IPMI.
3. Select "1" (enable user) for [Operation].
4. Press the [F1] key to save the settings.
5. Select [Channel Configuration] from the [Server Management Tools] menu.
6. Select "#2 802.3_LAN" from [Select Channel] and specify the following items.

table: IP Address Setting

Items	Settings
BMC NIC IP Address / MAC Address	Since the IPMI function is applied only for onboard LAN port, MAC address cannot be changed from the default value.
SubnetMask IP Address	Enter the subnet mask for the network.
Default Gateway IP Address	Enter the default gateway for the network.
MAC Address	Enter the MAC address of the default gateway.
IPAddress Source	Select 1 static.

7. Press the [F1] key to save the settings.
   For the following procedures, refer to settings of your server.

IMPORTANT

- When configuring BIOS and Server Management Tools (IPMIview), use the default values or consult the server's manual, except for the designated settings.
- BMC IP address for the following servers must be different from that of the server OS.
  PRIMERGY RX100 S3 / PRIMERGY TX150 S4

2.3.2 Configuration of the Console Redirection

Start the BIOS Setup Utility and configure each item. The settings are different depending on the machine type. Check your machine type and configure the appropriate settings.

POINT

- When using power management power only, this configuration is not required.

■ For PRIMERGY RX600 S2 / PRIMERGY RX600 S3

For PRIMERGY RX600 S2 / RX600 S3, configure the following settings.

table: Setting Items for BIOS Setup Utility

Items	Settings
[Server] - [Console Redirection] - [COM1 Console Redirection]	
Console Redirect Port	Enabled
Flow Control	RTS/CTS + CD
Baud Rate	19.2k
Terminal Type	VT100+

■ For PRIMERGY TX150 S4 / PRIMERGY RX100 S3

For PRIMERGY TX150 S4 / RX100 S3, configure the following settings.

table: Setting Items for BIOS Setup Utility

Items	Settings
[Advanced] - [Peripheral Configuration]	
Serial Multiplexer	BMC
[Server] - [Console Redirection]	
Console Redirection	Enabled
Media Type	LAN
Baud Rate	9600
Protocol	VT100+
Flow Control	None
Mode	Enhanced

Chapter 3

Starting and Exiting

This chapter describes how to start and exit RemoteControlService/Web along with its menu.

3.1 For iRMC Telnet / iRMC SSH Connection 24
3.2 For iRMC / BMC IPMI Connection 27
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3.1 For iRMC Telnet / iRMC SSH Connection

This section explains how to start and close the RemoteControlService/Web when connected to iRMC Telnet / iRMC SSH.

IMPORTANT

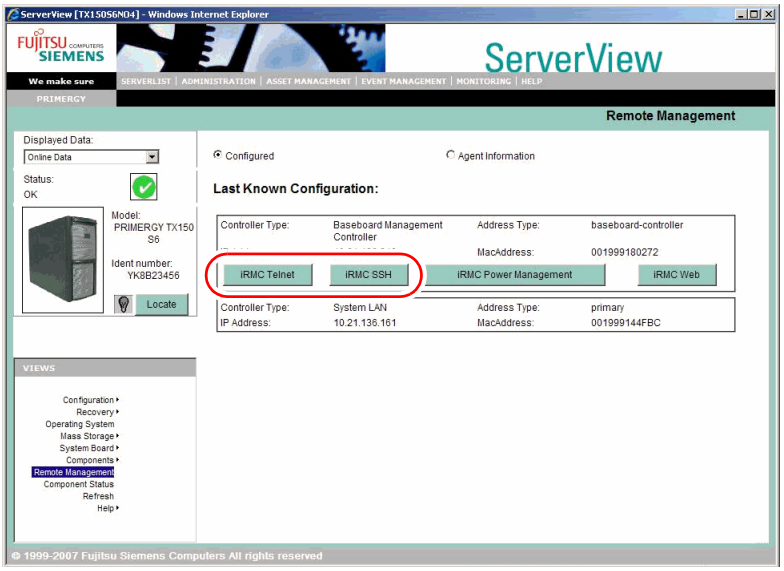
- For connecting to the Remote Management Controller (iRMC), you can also use the Web interface, in addition to Telnet / SSH. For details, refer to "Remote Management Controller User's Guide".
- To perform Telnet / SSH connection to the Remote Management Controller (iRMC), enable the Telnet / SSH port by using the iRMC Web interface, before the Telnet / SSH connection.
  For details, refer to "Remote Management Controller User's Guide".

3.1.1 Start for RemoteControlService/Web

The starting method of RemoteControlService/Web is different depending on the status of the communications with the agent or the Remote Management Controller.

■ When Communicating with Agent or iRMC is Available

1. ServerView S2 window – [ServerList] – Select of server – [VIEWS] – [Remote Manager].
   The following window appears.

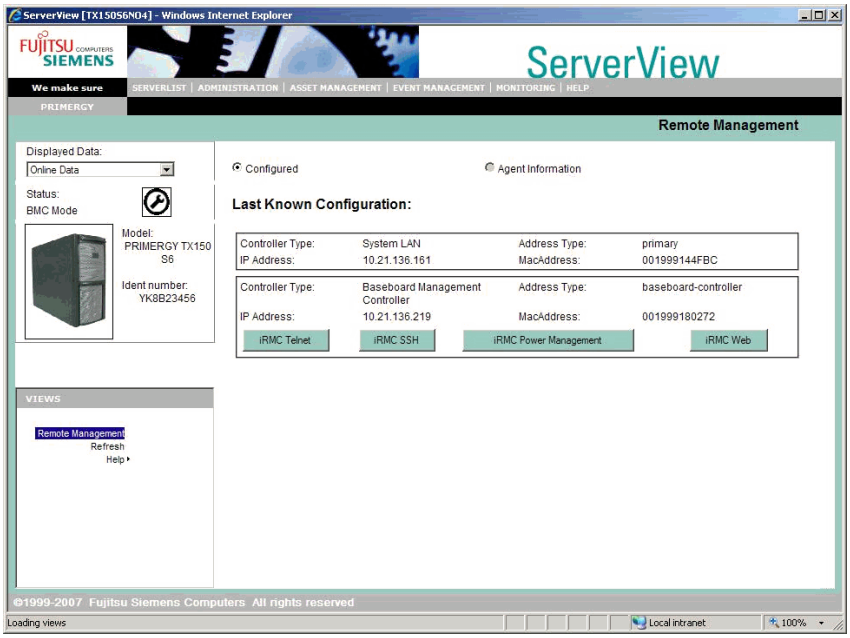


2. Click [iRMC Telnet] or [iRMC SSH].
   RemoteControlService/Web is started.

■ When Communicating with Agent is not Available

1 The object server is selected from [ServerList] of ServerView S2 windows.

The following window appears.



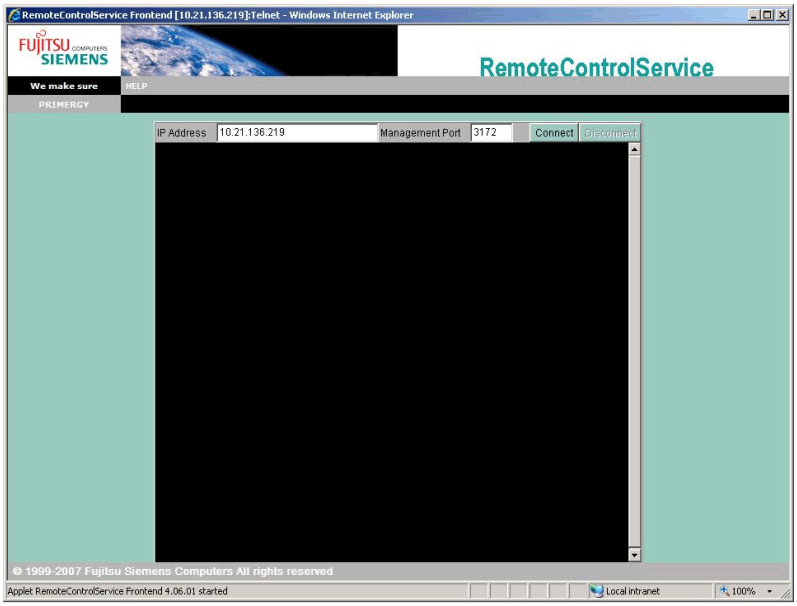
2 Select [iRMC Telnet] or [iRMC SSH].

Click [OK].

RemoteControlService/Web is started.

3.1.2 RemoteControlService/Web Window

When RemoteControlService/Web starts, the following window appears.



After connected iRMC, you can refer and operate the following information.

table: RemoteControlService/Web Window

Item	Description
IP Address	IP Address connected to iRMC is displayed.
Management Port	Telnet / SSH number connected to iRMC is displayed.
[Connect]	Logon to iRMC displayed in "IP Address".
[Disconnect]	Logoff iRMC.

■ How to Use iRMC Telnet / iRMC SSH

For details about the iRMC Telnet / iRMC SSH main menu for RemoteControlService/Web, refer to "4.1 iRMC Telnet / iRMC SSH Connection" (→pg.38).

3.1.3 Exit for RemoteControlService/Web

1. Click [Disconnect], when logging on to iRMC.
2. Close RemoteControlService/Web browser.
   RemoteControlService/Web exits.

3.2 For iRMC / BMC IPMI Connection

This section explains how to start and close the RemoteControlService/Web when connected to iRMC / BMC IPMI.

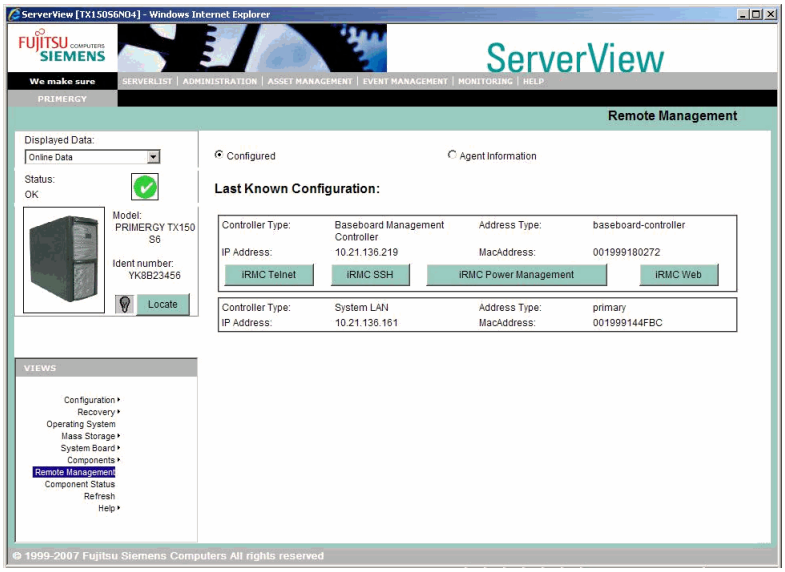
3.2.1 Start for RemoteControlService/Web

The starting method of RemoteControlService/Web is different depending on the status of the communications with the agent or iRMC/BMC.

■ When Communicating with Agent or iRMC is Available

1 ServerView S2 window – [ServerList] – Select of server – [VIEWS] – [Remote Manager].

The following window appears.



2 Click [iRMC Power Management].

RemoteControlService/Web is started.

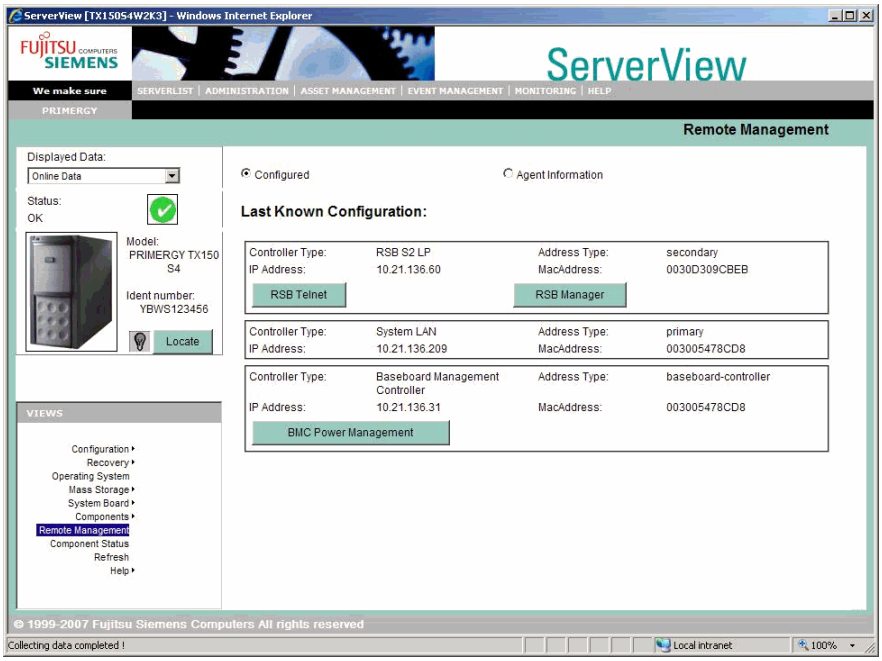
POINT

- When selecting [iRMC Web], the Remote Management Controller Web interface can be started.

■ When Communicating with Agent or BMC is Available

1 ServerView S2 window – [ServerList] – Select of server – [VIEWS] – [Remote Manager].

The following window appears.



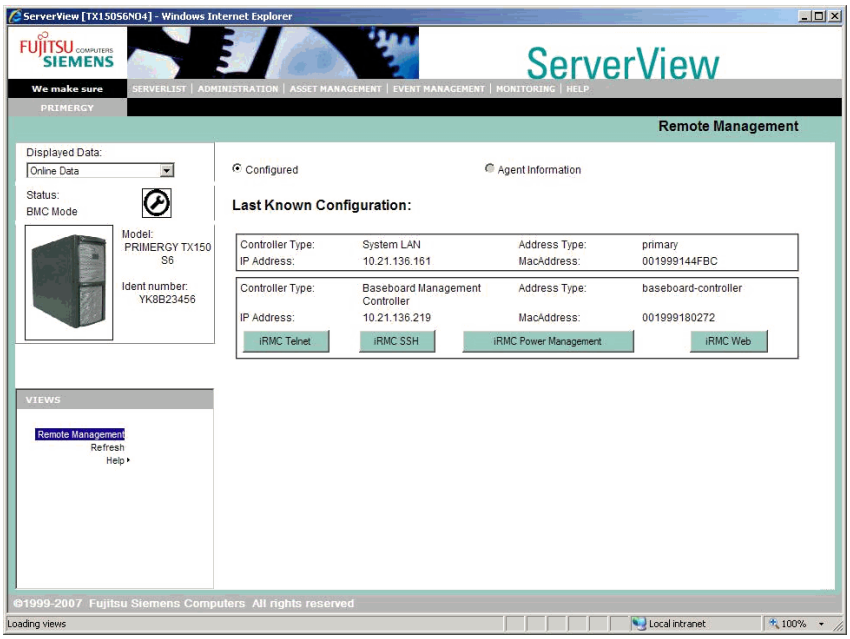
2 Click [BMC Power Management].

RemoteControlService/Web is started.

■ When Communicating with Agent is not Available (For iRMC)

1 The object server is selected from [ServerList] of ServerView S2 windows.

The following window appears.



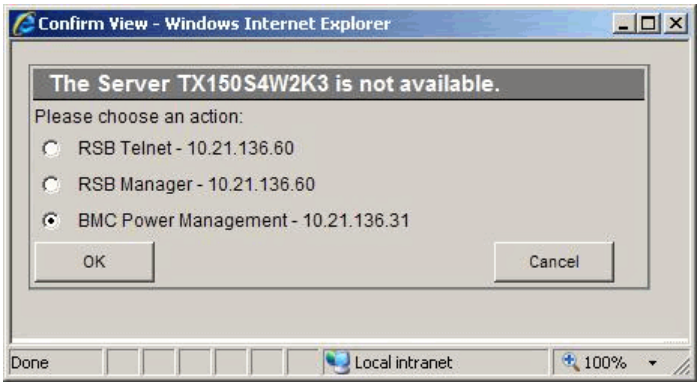
2 Click [iRMC Power Management].

RemoteControlService/Web is started.

■ When Communicating with Agent is not Available (For BMC)

1 The object server is selected from [ServerList] of ServerView S2 windows.

The following window appears.

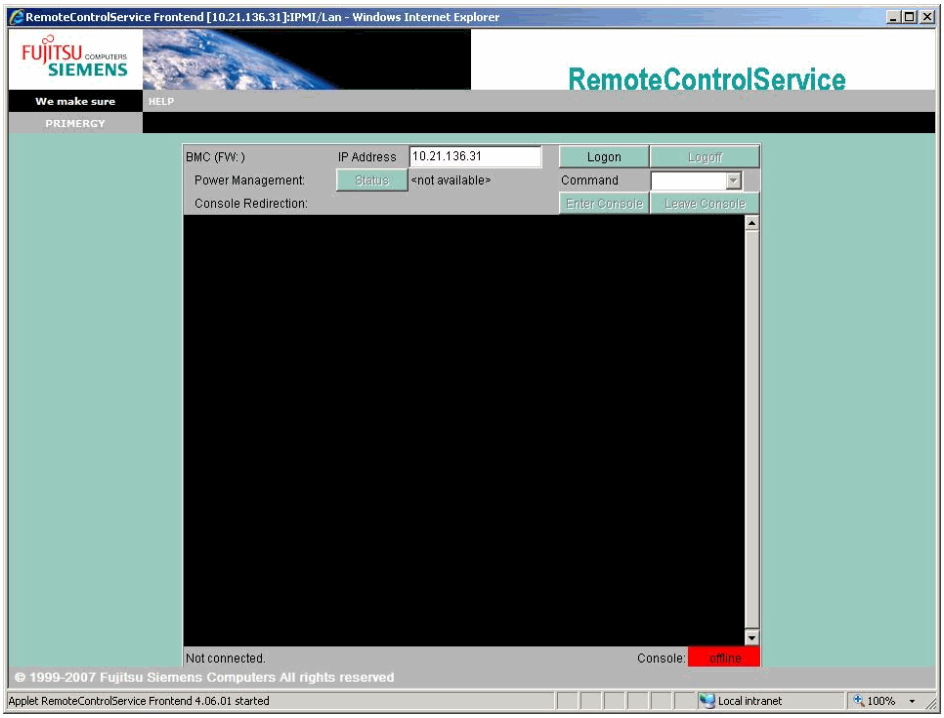


2 Select [BMC Power Management], and click [OK].

RemoteControlService/Web is started.

3.2.2 RemoteControlService/Web Window

When RemoteControlService/Web starts, the following window appears.



The following information can be referred and the following operations can be performed after connecting to iRMC / BMC.

table: RemoteControlService/Web Window

Item	Description
BMC(FW:)	After logon, the version of the iRMC / BMC firmware is displayed.
IP Address	IP Address set to iRMC / BMC is displayed.
[Logon]	Logon to iRMC / BMC displayed in "IP Address".
[Logoff]	Logoff iRMC / BMC.
Power Management	Power supply control of the server. Select operation for the server from Command List. Click [Status] to display the state of the power supply of present server.
Command	Select operation for power supply control of the server from following command.
Power On	Turning on the server.
Power Off	Turning off the server.
Reset	Restarting the server.
Power Cycle	Turning on and off the server.
Shutdown	Shuts down the server.
Console Redirection	
[Enter Console]	Console Redirect is begun. When BMC is logged on, it is effective.
[Leave Console]	Console Redirect is ended.

3.2.3 Exit for RemoteControlService/Web

1. Click [Logoff] when logging on to BMC.
2. Close RemoteControlService/Web browser.
   RemoteControlService/Web exits.

3.3 For RSB Telnet Connection

This section explains how to start and close the RemoteControlService/Web when connected to RSB Telnet.

IMPORTANT

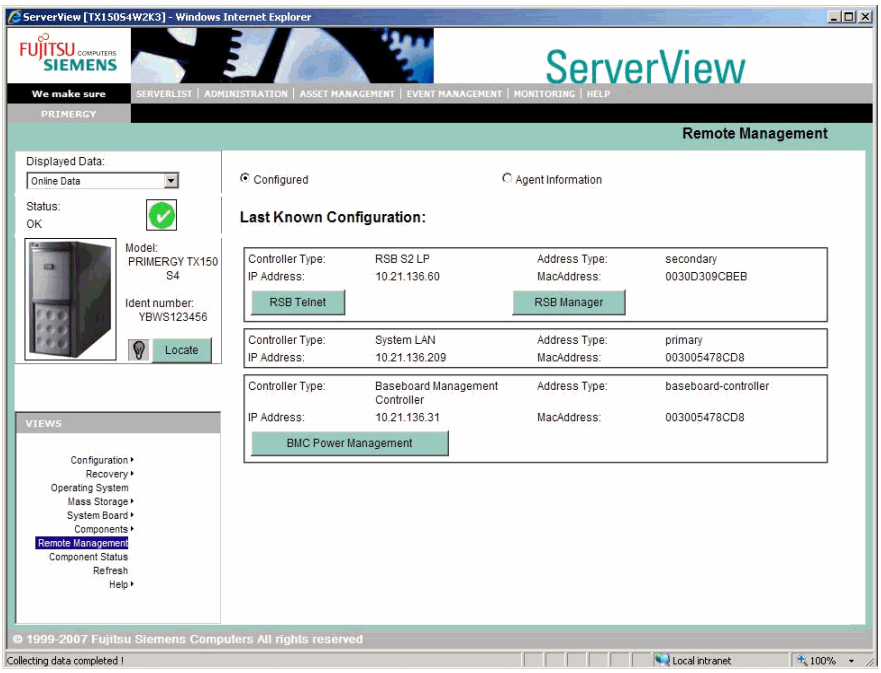
- For connecting to the Remote Service Board, you can also use the Web interface, in addition to Telnet. For details, refer to "Remote Service Board User's Guide".
- To perform Telnet connection to the Remote Service Board (RSB), enable the Telnet port by using the RSB Web interface before the Telnet connection. For details, refer to "Remote Service Board User's Guide".

3.3.1 Start for RemoteControlService/Web

The starting method of RemoteControlService/Web is different depending on the status of the communications with the agent or the remote service board.

■ When Communicating with Agent is Available

1. ServerView S2 window – [ServerList] – Select of server – [VIEWS] – [Remote Manager].
   The following window appears.



2 Click [RSB Telnet].

RemoteControlService/Web is started.

POINT

- Web interface of remote service board can be started if [RSB Manager] is selected.

■ When Communicating with Agent is not Available

1 The object server is selected from [ServerList] of ServerView S2 windows.

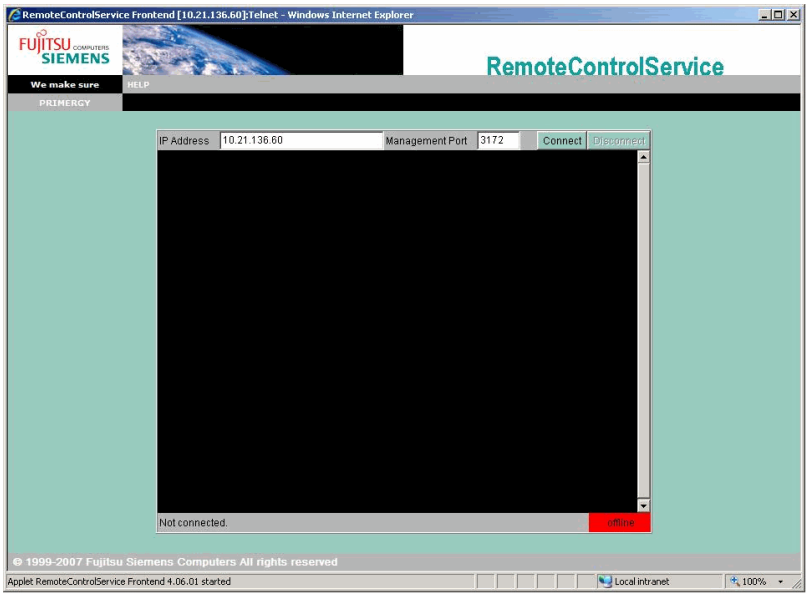
The following window appears.

2 Select [RSB Telnet], and click [OK].

RemoteControlService/Web is started.

3.3.2 RemoteControlService/Web Window

When RemoteControlService/Web starts, the following window appears.



After connected RSB, you can refer and operate the following information.

table: RemoteControlService/Web Window

Item	Description
IP Address	IP Address set to RSB is displayed.
Management Port	Telnet Port number set to RSB is displayed.
[Connect]	Logon to RSB displayed in "IP Address".
[Disconnect]	Logoff RSB.

■ How to Use RSB Telnet

The RSB Telnet main menu for RemoteControlService/Web is the same as the RSB Telnet menu for RemoteControlService/LAN. Refer to "4.3.2 Main Menu" (→pg.42).

3.3.3 Exit for RemoteControlService/Web

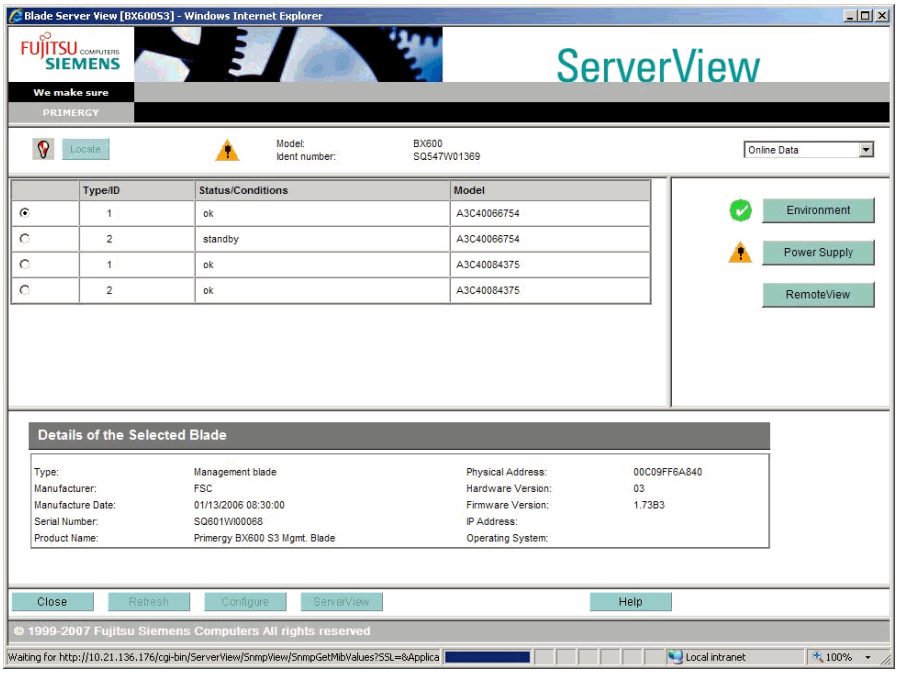
1. Click [Disconnect], when logging on to RSB.
2. Close RemoteControlService/Web browser.
   RemoteControlService/Web exits.

3.4 For ManagementBlade Connection

This section explains how to start and close the RemoteControlService/Web when connected to ManagementBlade.

3.4.1 Start for RemoteControlService/Web

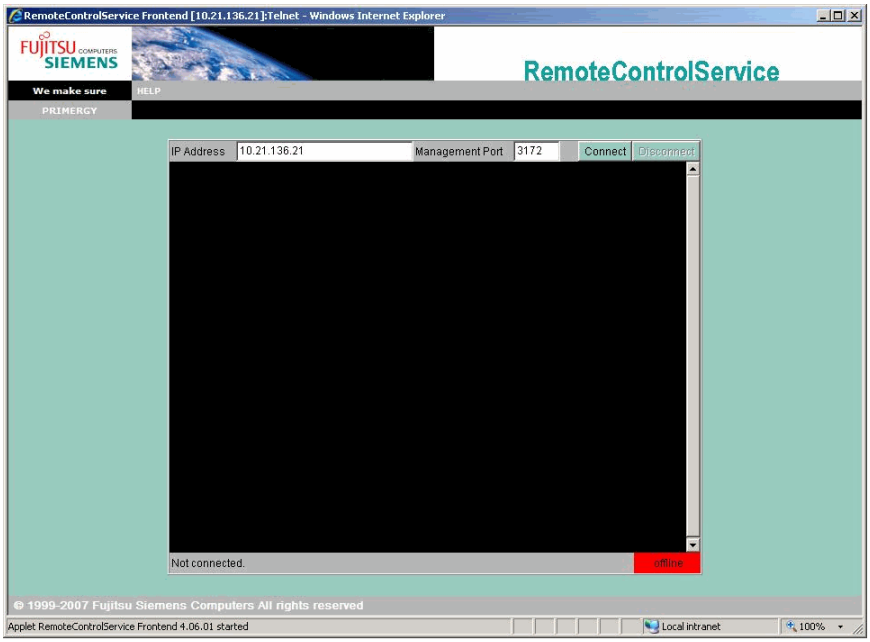
1 ServerView S2 window – [ServerList] – Select of server – [Blade Server View] – [RemoteView].



RemoteControlService/Web is started.

3.4.2 RemoteControlService/Web Window

When RemoteControlService/Web starts, the following window appears.



After connected ManagementBlade, you can refer and operate the following information.

table: RemoteControlService/Web Window

Item	Description
IP Address	IP Address set to ManagementBlade is displayed.
Management Port	Telnet Port number set to ManagementBlade is displayed.
[Connect]	Logon for ManagementBlade, displayed in "IP Address".
[Disconnect]	Logoff for ManagementBlade.

3.4.3 Exit for RemoteControlService/Web

1. Click [Disconnect], when logging on to ManagementBlade.
2. Close RemoteControlService/Web browser.

   RemoteControlService/Web exits.

Chapter 4

How to Use

4

This chapter describes how to use RemoteControlService/Web.
For details, refer to the corresponding online help.

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4.1 iRMC Telnet / iRMC SSH Connection

This section describes Remote Management Controller support through RemoteControlService/Web.

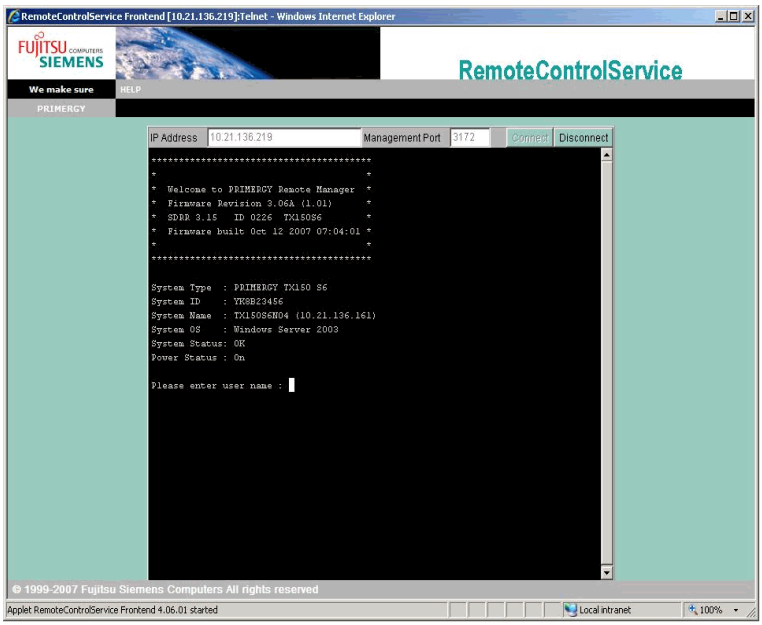
4.1.1 Connecting to Remote Management Controller

Remote Management Controller has a Telnet / SSH interface called Remote Manager, which allows connecting from RemoteControlService/Web. When connecting to Remote Management Controller using Telnet / SSH, only the power supply management of the server and the text-based console redirection function are supported.
Follow the steps below to connect to Remote Management Controller from RemoteControlService/Web.

IMPORTANT

- To perform the Telnet / SSH connection, enable the Telnet / SSH port by using Web interface of the Remote Management Controller before the Telnet / SSH connection. For details, refer to "Remote Management Controller User's Guide".

1 Click [Connect] and login with the account that is set beforehand.
The following window appears.



4.1.2 Main Menu

The main menu in the Remote Management Controller is shown below.
The menu depends on a machine type and an applicable menu will appear.
If the number or character on the left of each item is entered, the corresponding item is executed or its submenu items appear. The unavailable functions are marked (*).
If the [0] key is pressed, the higher menu would appear. If the [0] key is pressed, while the main menu is displayed, the Remote Management Controller would be disconnected .

table: Main Menu of Remote Management Controller

Menu Item	Description
System Information	Not supported.
Power Management	Controls the server power. Displays the power control menu if selected.
Enclosure Information	Not supported.
Service Processor	Not supported.
Change password	Not supported.
Console Redirection (EMS/ASC)	Select when redirecting the console.
Start a Command Line shell	Not supported.

■ Power Management

table: Power Management Menu

Menu Item	Description
Immediate Power Off	Shuts down the server power, regardless of the OS status.
Immediate Reset	Reboots the server, regardless of the OS status.
Power Cycle	Powers off the server and powers on it again, regardless of the OS status.
Power On	Turns the server on.
Graceful Power Off (Shutdown)	Shuts down the server. Remote Management Controller sends a shutdown request to the ServerView Agent in the server.
Graceful Reset (Reboot)	Reboots the server. Remote Management Controller sends a reset request to the ServerView Agent in the server.
Raise NMI (via iRMC S2)	Sends NMI signals to the server. Selectable only in the server used NMI (V1.66A or later).

■ Console Redirection (EMS/ASC)

The window and keyboard operation of the server can be redirected to the remote console by console redirection of Remote Management controller. When the console redirection is selected, the window of the server is forwarded to the remote manager window. The data which is input from the keyboard is sent to the keyboard controller of the server.
The following operations can be performed by the console redirection.

- Displaying window during POST
- BIOS setup

The console redirection closes when entering tilde (~) and period (.), or [Esc] and [(] within two seconds in quick succession.

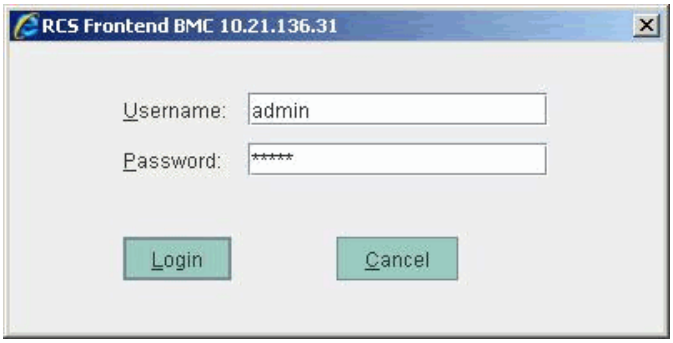
4.2 BMC Connection

This section describes the support of IPMI over LAN through RemoteControlService/Web. Follow the steps below to connect to BMC from RemoteControlService/Web.

1 Click [Logon] from the RemoteControlService/Web window.

→"3.2.2 RemoteControlService/Web Window" (pg.30)

The following window appears.



2 Log in as the previously configured account.

3 After connecting to BMC, you can refer and operate the following information.

table: RemoteControlService/Web Window

Item		Description
BMC(FW:)		After logon, the version of the BMC firmware is displayed.
IP Address		IP Address set to BMC is displayed.
[Logon]		Logon to BMC displayed in "IP Address".
[Logoff]		Logoff BMC.
Power Management		Power supply control of the server. Select operation for the server from Command List. Click [Status] to display the state of the power supply of present server.
Command		Select operation for power supply control of the server from following command.
	Power On	Turning on the server.
	Power Off	Turning off the server.
	Reset	Restarting the server.
	Power Cycle	Turning on and off the server.
	Shutdown	Shut down the server.
Console Redirection		
	[Enter Console]	Console Redirect is begun. When BMC is logged on, it is effective.
	[Leave Console]	Console Redirect is ended.

4.3 RSB Telnet Connection

This section describes the support of Remote Service Board through RemoteControlService/Web.

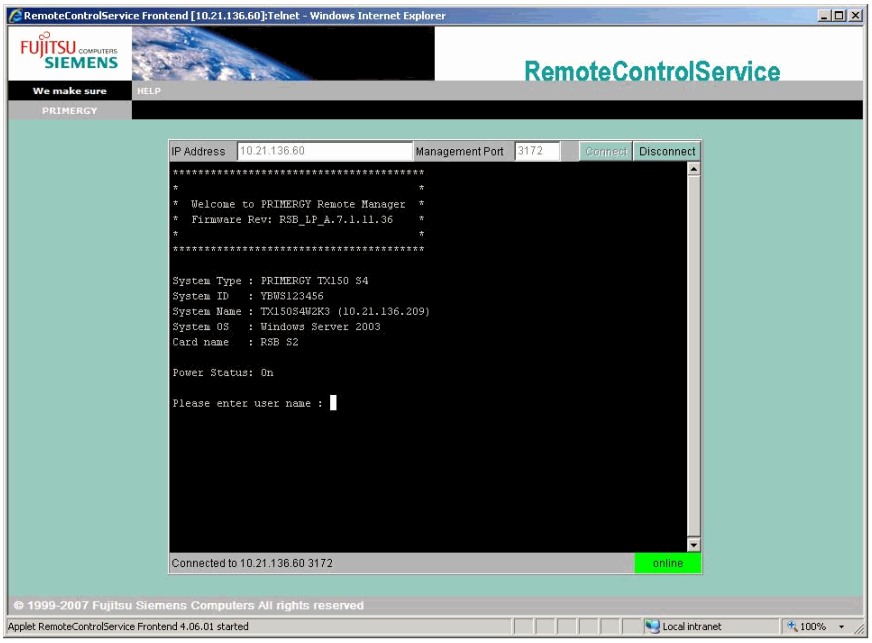
4.3.1 Connecting to Remote Service Board

The remote service board has the Telnet interface called remote manager, which can be connected from RemoteControlService/Web. The remote manager allows you to verify the information about the target server. The information includes items such as a system name which appear only after the ServerView Agent is initially started, or only when the server is properly configured.
Follow the steps below to connect to the remote service board from RemoteControlService/Web.

IMPORTANT

- To perform Telnet connection, enable the Telnet port by using Web interface of the remote service board, before the Telnet connection.

1. Click [Connect] from the RemoteControlService/Web window. Log in as an account that set for the Remote Service Board.



2. After connecting to RSB, you can refer and operate the following information.

4.3.2 Main Menu

The main menu in the remote manager is shown as follows.
The menu depends on machine type and an applicable menu will appear.
If the number or character on the left of each item is entered, the corresponding item is executed or its submenu items appear. The unavailable functions are marked (*).
If the [0] key is pressed, the higher menu would appear. If the [0] key is pressed while the main menu is displayed, the remote service board would be disconnected.

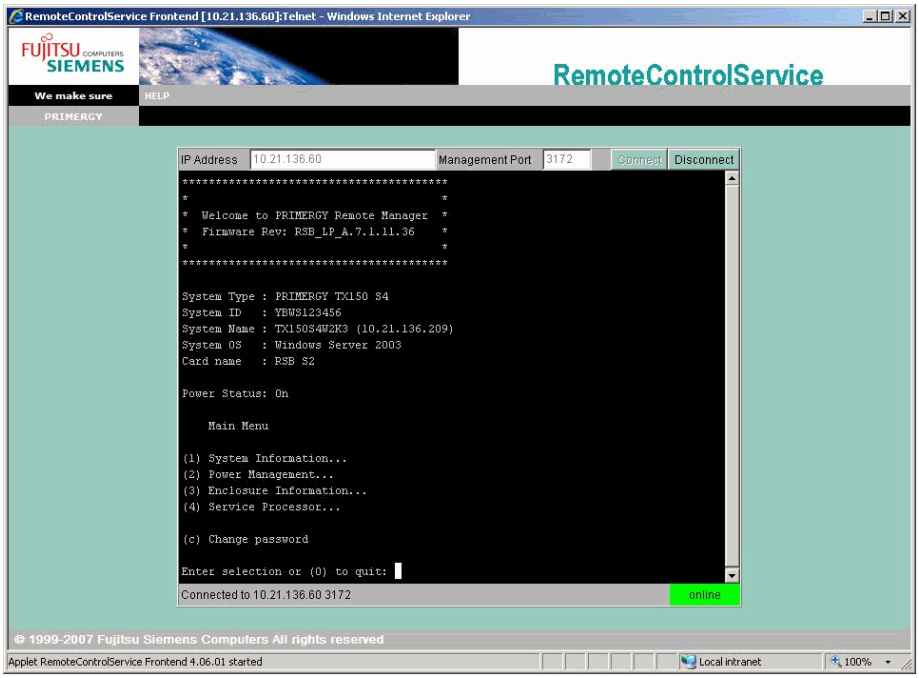


table: Main Menu

Menu Item	Description
System Information	Displays system information. If this is selected, the system information menu appears.
Power Management	Controls the server power supply. If this is selected, the power management menu appears.
Enclosure Information	Displays server information. If this is selected, the server information menu appears.
Service Processor	Displays the configuration and information of the remote service board. If this is selected, the RSB menu appears.
Change password	Changes a password.

■ System Information

Select [System Information] in the main menu and the following menu appears.

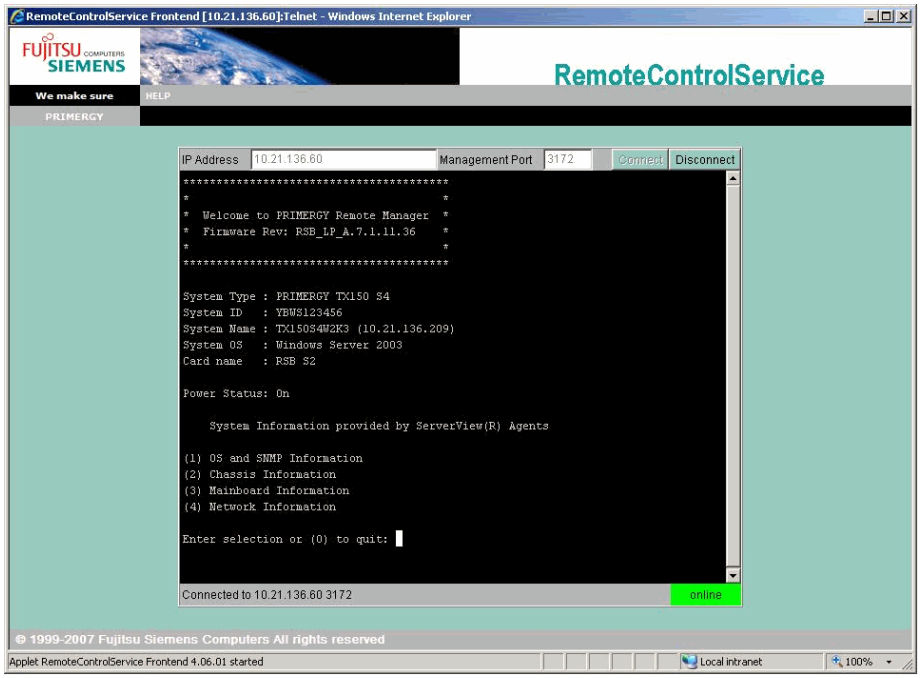


table: System Information Menu

Menu Item	Description
OS and SNMP Information	OS names and ServerView Agent versions are displayed.
Chassis Information	The server's type name and serial number are displayed.
Mainboard Information	BIOS versions and board information are displayed.
Network Information	Information on network nodes is displayed.

■ Power Management

Select [Power Management] in the main menu and the following menu window appears.

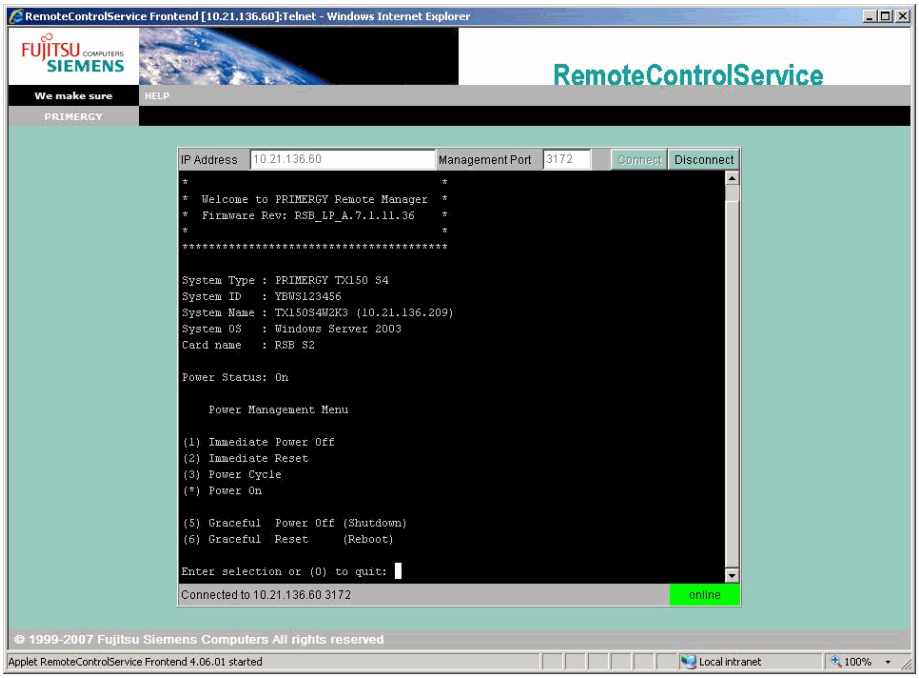


table: Power Management Menu

Menu Item	Description
Immediate Power Off	Turns the server off regardless of OS status.
Immediate Reset	Reboots the server regardless of OS status.
Power Cycle	Powers off the server and powers on it again, regardless of OS status.
Power On	Turns the server on.
Graceful Power Off (Shutdown)	Shuts down the server. The remote service board sends a shutdown request to the ServerView Agent in the server. When the remote service board cannot send the shutdown request because the agent is not installed and so on, it goes to another dialog and displays a message to confirm whether to shut down the server regardless of OS status (Immediate Power Off).
Graceful Reset (Reboot)	Reboots the server. The remote service board sends a reset request to the ServerView Agent in the server. When the remote service board cannot send the reset request because the agent is not installed and so on, it goes to another dialog and displays a message to confirm whether to reset the server regardless of OS status (Immediate Reset).

■ Enclosure Information

Select [Enclosure Information] in the main menu and the following menu appears.

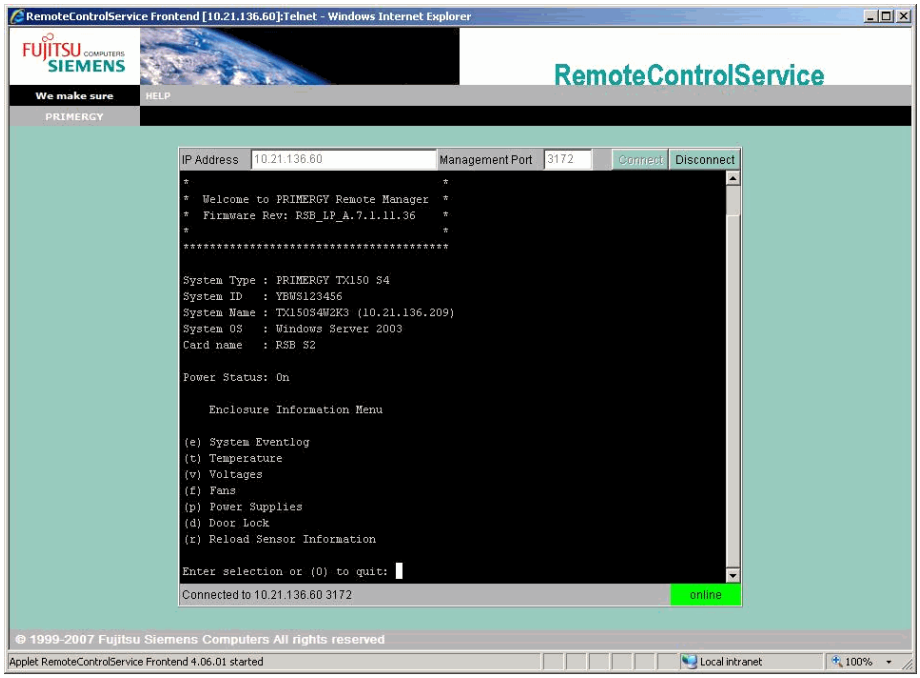


table: Enclosure Information Menu

Menu Item	Description
System Eventlog	Displays the [System Eventlog] menu window.
Temperature	Displays information on temperature.
Voltages	Displays information related to voltages.
Fans	Displays information on fans.
Power Supplies	Displays information on power supplies.
Door Lock	Displays the open or closed state of a front door.
Reload Sensor Information	Reloads sensor information.

■ System Eventlog

Select [System Eventlog] in the main menu and the following menu appears.

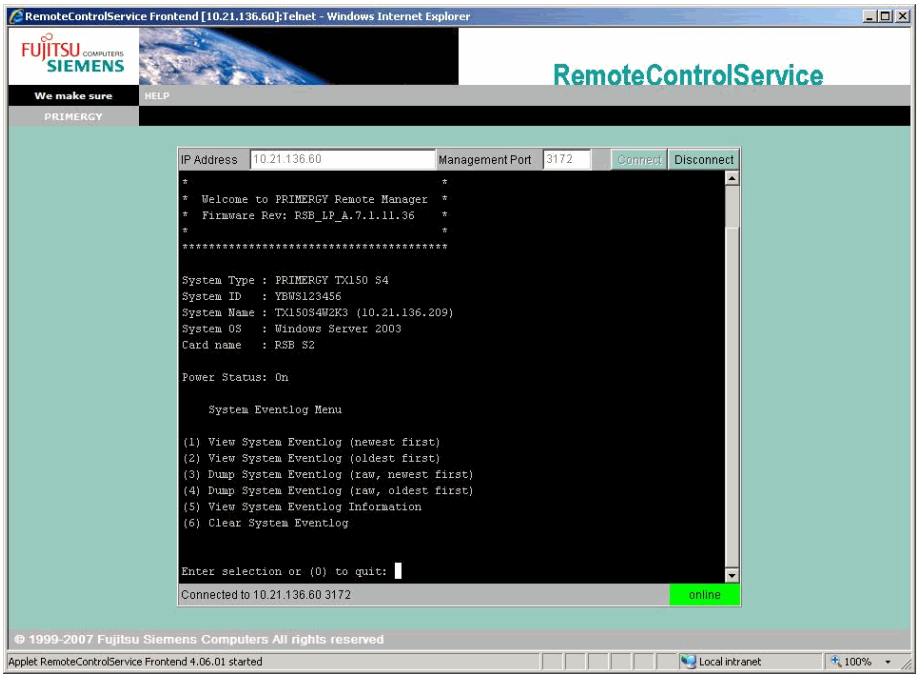


table: System Eventlog Menu

Menu Item	Description
View System Eventlog (newest first)	The contents of an event log are listed in order of time (the newest entry is located at the top) for the remote service board.
View System Eventlog (oldest first)	The contents of an event log are listed in order of time (the oldest entry is located at the top) for the remote service board.
Dump System Eventlog (raw, newest first)	Binary data of an event log are listed in order of time (the newest entry is located at the top) for the remote service board.
Dump System Eventlog (raw, oldest first)	Binary data of an event log are listed in order of time (the oldest entry is located at the top) for the remote service board.
View System Eventlog Information	Information of an event log is displayed for the remote service board.
Clear System Eventlog	Clears event logs in the remote service board.

■ Service Processor

Select [Service Processor] in the main menu and the following menu appears.

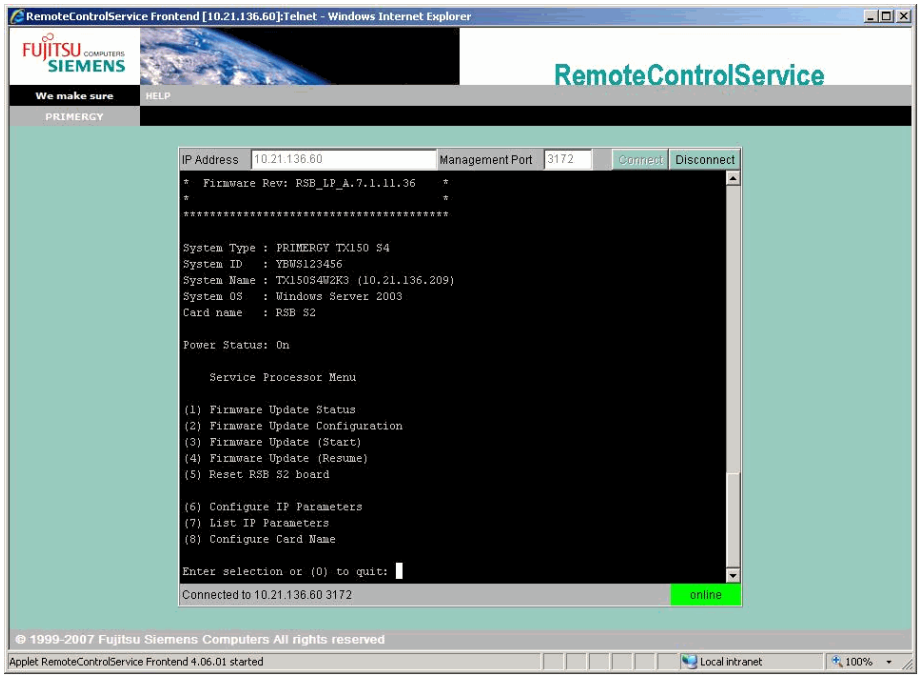


table: Service Processor Menu

Menu Item	Description
Firmware Update Status	Displays the state of firmware update in the remote service board. This function is not supported.
Firmware Update Configuration	Displays configuration of firmware update in the remote service board. This function is not supported.
Firmware Update (Start)	Starts firmware update in the remote service board. This function is not supported.
Firmware Update (Resume)	Resumes firmware update in the remote service board. This function is not supported.
Reset RSB S2 board	Reboots the remote service board.
Configure IP Parameters	Changes an IP address in the remote service board.
List IP Parameters	Displays an IP address in the remote service board.
Configure Card Name	Rename the remote service board.

4.4 ManagementBlade Telnet Connection

This section describes the support of ManagementBlade through RemoteControlService/Web.

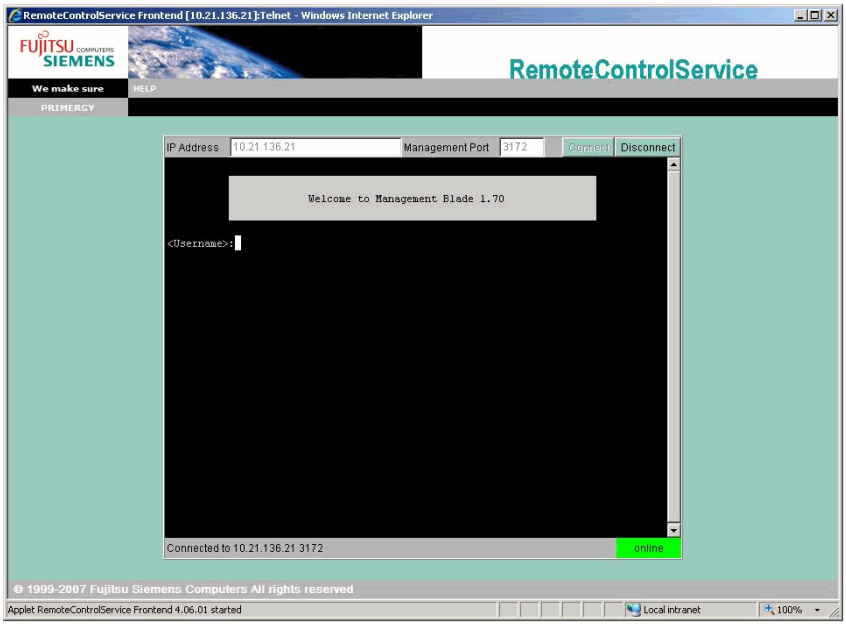
4.4.1 Connecting to ManagementBlade

The ManagementBlade has the Telnet interface called remote manager, which can be connected from RemoteControlService/Web. The remote manager allows you to verify the information about the target server.
Follow the steps below to connect to the ManagementBlade from RemoteControlService/Web.

IMPORTANT

- To perform the Telnet connection, enable Telnet port by using the Web interface of the ManagementBlade before the Telnet connection.

1 Click [Connect] from the RemoteControlService/Web window. Log in as an account that set for the ManagementBlade.



2 After connecting to ManagementBlade, you can refer and operate the following information.

4.4.2 Main Menu

If the number or character on the left of each item is entered, the corresponding item is executed or its submenu items appear. For details about each item, refer to the manual supplied with the ManagementBlade.

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