KONICA MINOLTA

Server for PageScope
Enterprise Suite Ver. 1.1

User's Guide

PAGESCOPE

Enterprise Suite

Contents

3 Device List

4 User List

5 Counter Reader

6 Server Settings

7 Using Admin Console

About this product

Server for PageScope Enterprise Suite is an application server that centrally manages user and device information.

Installing add-on (extension) applications to Server for PageScope Enterprise Suite will allow you to use various functions in conjunction with the device.

Trademarks and registered trademarks

Trademark acknowledgements

KONICA MINOLTA and KONICA MINOLTA logo are registered trademarks or trademarks of Konica Minolta Holdings, Inc.

PageScope and bizhub are registered trademarks or trademarks of KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Mozilla and Firefox are trademarks of the Mozilla Foundation.

Apple is a trademark of Apple Inc., registered in the U.S. and other countries. Safari is a trademark of Apple Inc.

Intel and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

All other company and product names are either trademarks or registered trademarks of their respective companies.

RSA® BSAFE™
RSA is a registered trademark of RSA Security Inc. BSAFE is a registered trademark of RSA Security Inc. in the United States and other countries.

Licensing information

This product contains RSA® BSAFE™ of RSA Security Inc.

Dialog boxes

The dialog boxes shown in this manual are those that appear in Windows XP.

Detail

The dialog boxes that appear in this document may differ from those that appear on your computer, depending on the installed devices and specified settings.

Note

The contents of this document are subject to change without notice.

1 General

1.1 Introduction

1.1.1 Server for PageScope Enterprise Suite

Server for PageScope Enterprise Suite is an application server for medium to large-size organizations to centrally manage user and device information.

It works in conjunction with MFPs or printers that are connected to the network to offer a variety of solutions, including reduced device management costs, efficient use of the device, and enhanced security.

Basic and extended functions

The Server for PageScope Enterprise Suite provides the following basic functions.

- User List
  Manages user information.
- Device List
  Manages device information.
- Counter Reader
  Checks the device usage status.
- Server Settings
  Sets up the Server for PageScope Enterprise Suite.
- Admin Console
  Specifies settings for connecting to the database for PageScope Enterprise Suite, backs up and restores the database, and changes the password of the system administrator.

Add-on (extension) applications make various extended functions available.

✎...

Reminder
For details on the functions, refer to "Function descriptions" on page 1-4.

Configuration of Server for PageScope Enterprise Suite

The Server for PageScope Enterprise Suite consists of the following elements.

- Database
  Centrally manages device and user information.
  It uses Microsoft SQL Server 2000/2005.
- Web applications
  A Web browser is used to access the Server for PageScope Enterprise Suite. Web applications interact with a database to transmit information necessary for a Web browser.
  Web applications use IIS (Internet Information Services).

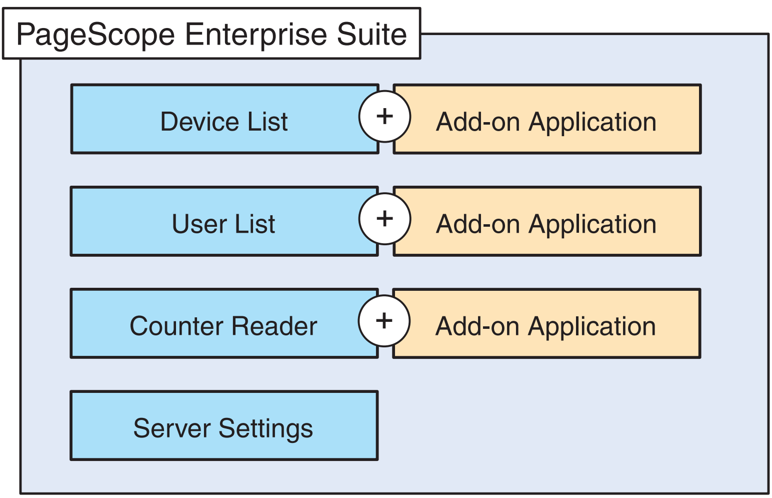
1.1.2 Add-on (extension) applications

Add-on (extension) applications make more advanced functions available in addition to the basic functionality of the Server for PageScope Enterprise Suite.

Note

The add-on applications do not function by themselves.

There are free and paid add-on applications.



To use add-on applications, the following prerequisites must be satisfied.

- The Server for PageScope Enterprise Suite is running.
- Add-on applications have been installed.
- The required number of licenses have been obtained and registered. (For paid add-ons)
- Add-on applications have been enabled in the devices. (For paid add-ons)

1.2 Function descriptions

1.2.1 Device List

Perform operations such as automatically searching for devices connected to the network or specifying a device to be managed by manually registering it.

- Other manufacturers' network printers can also be managed if they are equipped with an MIB compliant with RFC1213 (MIB-II), RFC1514 (Host Resource MIB) and RFC1759 (Printer MIB).
- From the registered users, users with Administrator privileges can be specified.

For details, refer to "Device List" on page 3-1.

1.2.2 User List

Register information associated with the users and account tracks. Information can be obtained from a file or a connected device over a network.

- From the registered users, users with Administrator privileges can be specified.

For details, refer to "User List" on page 4-1.

1.2.3 Counter Reader

Counter information about the number of copies and printouts produced by a registered device can be viewed.

From the registered users, users with Administrator privileges can be specified.

For details, refer to "Counter Reader" on page 5-1.

1.2.4 Server Settings

Basic settings for the Server for PageScope Enterprise Suite can be specified.

- Specify the necessary system administrator settings.
- Settings for e-mail functions can be specified.
- Manage the licenses for add-on applications.

For details, refer to "Server Settings" on page 6-1.

1.2.5 Admin Console

Perform operations such as starting and stopping the Server for PageScope Enterprise Suite.

Database backup or restore is also performed.

For details, refer to "Using Admin Console" on page 7-1.

1.3 System requirements

1.3.1 Network environment

PageScope Enterprise Suite runs in the following environment.

LAN type	Protocol
Ethernet (10/100BASE-T)	TCP/IP

1.3.2 Server

The following operating systems, hardware and software are required to run PageScope Enterprise Suite.

Operating system	Microsoft Windows 2000 Server/Advanced Server Service Pack 4 or later Microsoft Windows Server 2003 Standard Edition Service Pack 1 or later* Microsoft Windows 2000 Professional Service Pack 4 or later Microsoft Windows XP Professional Service Pack 2 or later* Microsoft Windows Vista Business or Enterprise edition*
Hardware	CPU: 2 GHz or higher Memory: 512 MB or more Hard disk drive: 500 MB or more (for installation)
Software	Microsoft .NET Framework 2.0 or later Microsoft Internet Information Service 5.0 or later Microsoft SQL Server 2005 Express, Standard or Enterprise edition Microsoft SQL Server 2000 Standard or Enterprise edition

* An exception must be added with Windows Firewall.

Adding an exception

Depending on the operating system installed on the server, it may be necessary to add an exception. Refer to the following information when adding the exception.

Function	Details
Excepted program	C:\Program Files\KONICA MINOLTA\PageScope Enterprise Suite\bin\Release\PSESCoreScheduler.exe
Port number	8085

Function	Details
Other settings	• Change the settings on the Advanced tab as described below. Select the"Local Area Connection" check box. Click the[Settings] button and select the "Web Server (HTTP)"check box on the Services tab. If SSL is enabled, select the "Secure Web Server (HTTPS)" check box. • For Windows Vista, (1) Change the settings on the Advanced tab as described below. Select the"Local Area Connection" check box. (2) Change the settings on the Exceptions tab as described below. Select the "World Wide Web Service (HTTP)" check box. If SSL is enabled, select the "Secure Web Server (HTTPS)" check box.

1.3.3 Client computer

In order to access the Server for PageScope Enterprise Suite, one of the following environments is required.

Web browser
- Microsoft Internet Explorer 6.0 or later
- Mozilla Firefox 2.0 or later
- Apple Safari 1.3.2 or later

Usage notes for a Web browser
- The [Back] and [Refresh] buttons of the Web browser cannot be used.
- You may experience difficulties using the browser if the Intranet security level is set to "Medium" or higher.
- Use UTF-8 as the character encoding for the Web browser. You may experience difficulties using the browser if any other character encoding is used.
- Some functions may not be available if a pop-up blocker function is used.
- Do not log on with multiple Web browsers from the same computer. You may experience difficulties using the browser if you have logged on multiple times.
- Do not click buttons and the like in quick succession. Doing so may affect your use of the Web browser.

1.4 General setup operation

In order to use the Server for PageScope Enterprise Suite, install it and specify settings in the following order.

1.4.1 Installation

Install the Server for PageScope Enterprise Suite on the server machine. For details on the installation procedure, refer to "Installing Server for PageScope Enterprise Suite" on page 2-8.

1.4.2 Server settings

Log on to the Server for PageScope Enterprise Suite as a system administrator, and then specify settings for the following.

Function	Description
Device List	• Device Auto Discovery: Specify the conditions for searching for devices to be registered. (page 3-4) • Manual Device Registration: Manually register devices that cannot be found automatically. (page 3-17) • Device Management Settings: From the found devices, specify the devices to be managed. (page 3-23) • Device Information Settings: Specify the information and communication settings for each device. (page 3-26)
User List	• User registration: Register a user. (page 4-4) • Account Track registration: Register account tracks. (page 4-18)
Counter Reader	• Select Target Devices: Select the device to view the counter information. (page 5-7) • Counter Collection Settings: Specify the settings for totaling and saving counters collected from each device. (page 5-9)
Server Settings	• E-mail Server Settings: Select whether or not to use e-mail functions, such as notifications. (page 6-2)

1.4.3 When the date is changed on the computer

If the date is changed from Control Panel, restart the server with Admin Console. For the procedure to restart, refer to "Starting and stopping the server" on page 7-3.

2 Installing and logging on

This chapter provides details on installing and logging on to the Server for PageScope Enterprise Suite and on setting up SSL communication.

2.1 Installing required basic modules

The following procedure describes how to install basic modules required for running Server for PageScope Enterprise Suite on Windows XP.

✎...

Note
Before installing the modules, be sure to log on with Administrator privileges.

The Server for PageScope Enterprise Suite uses Internet Information Services (IIS). Before starting the installation, IIS must be installed.

Install the following basic modules.

1. Microsoft .NET Framework
2. Microsoft SQL Server

2.1.1 Installing Microsoft .NET Framework

The following procedure describes how to install Microsoft .NET Framework 2.0 on Windows XP.

✎...

Note
Before installing the modules, be sure to log on with Administrator privileges.

If Microsoft .NET Framework 2.0 is already installed, this step is not necessary.

Installation procedure

1 Run the Server for PageScope Enterprise Suite installer.

– If the installer is provided on CD-ROM, insert it into your CD-ROM drive.

The Installer window appears.

2 Click [Basic Module] in the installer window.

The Basic Module page appears.

3 Click [.NET Framework 2.0 Installation] in the Basic Module page.

– The Microsoft .NET Framework Setup wizard starts.

4 Continue the installation according to the instructions in the Microsoft .NET Framework Setup wizard.

– When the wizard is finished, continue with the next step.

5 When installed on Windows Server 2003, enable the Web service extension ASP.NET.

– In Control Panel, open "Administrative Tools", and then start up Internet Information Services (IIS) Manager. Click [Local Computer], then [Web Service Extensions] in the console tree, and then enable [ASP.NET].
– When installed on any operating system other than Windows Server 2003, this step is not necessary. Continue with the next step.

6 Continue with the steps for installing Microsoft SQL Server.

2.1.2 Installing Microsoft SQL Server

The following procedure describes how to install Microsoft SQL Server on Windows XP.

✎...

Note

Before installing the modules, be sure to log on with Administrator privileges.

Using Microsoft SQL Server, the Server for PageScope Enterprise Suite can manage user and device data.

The Server for PageScope Enterprise Suite installer includes a free Microsoft SQL Server 2005 Express Edition. Note that the database capacity is limited to 4 GB.

Depending on the number of devices to be managed, the number of registered users and the management period, the size of the data handled in the database may become extremely large. If a large amount of data is expected to be handled, use a paid version of Microsoft SQL Server 2005.

Select "Mixed Mode (Windows Authentication and SQL Server Authentication)" as the authentication mode for Microsoft SQL Server. It cannot be used with "Windows Authentication Mode".

Do not use any of the following characters for the "sa (SQL Server administrator)" password for Microsoft SQL Server. ["] (Double quotation), ['] (Single quotation), [;] (Semi colon), [   ] (Space)

If Microsoft SQL Server is already being used, this step is not necessary.

Installation procedure

1 Run the Server for PageScope Enterprise Suite installer.

- If the installer is provided on CD-ROM, insert it into your CD-ROM drive.

The Installer window appears.

2 Click [Basic Module] in the installer window.

The Basic Module page appears.

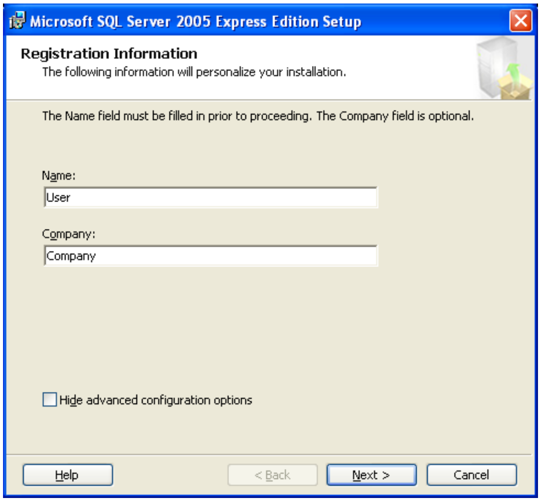
3 Click [SQL Server 2005 Installation] in the Basic Module page.

- The Microsoft SQL Server 2005 Express Edition Setup wizard starts.

4 Continue the installation according to the instructions in the Microsoft SQL Server 2005 Express Edition Setup wizard.

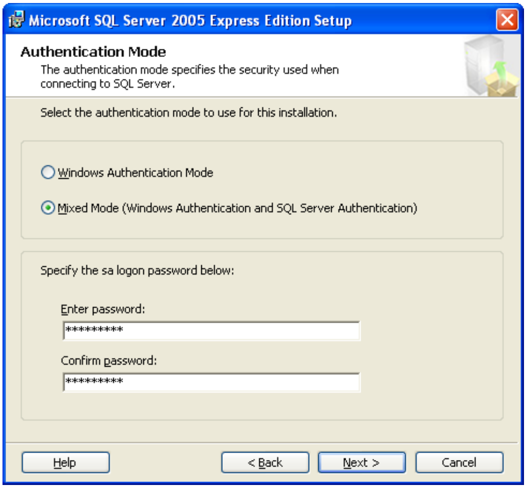
- The installation may have failed if the warning message "Unable to find installation package for Microsoft SQL Native Client" appears when Microsoft SQL Server 2005 is installed. In this case, uninstall Microsoft SQL Native Client with [Add or Remove Programs], and then try installing Microsoft SQL Server 2005 again.

5 To change the instance name from that of the default, clear the [Hide advanced configuration options] check box in the Registration Information page of the Microsoft SQL Server 2005 Express Edition Setup wizard.



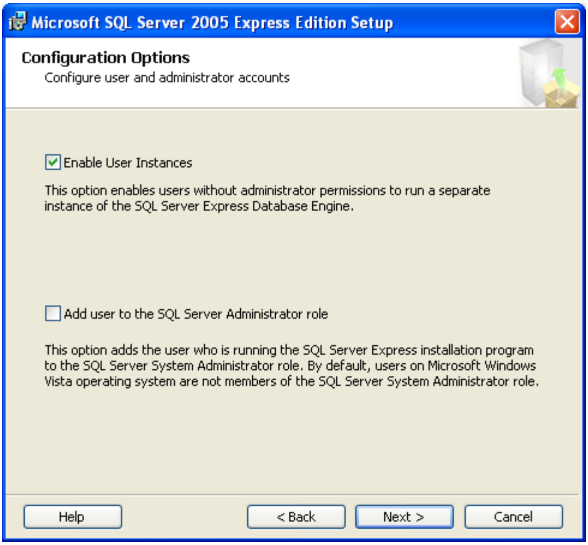
- If the instance name is not to be changed, this step is not necessary. Continue with step 5.

6 In the Authentication Mode page of the Microsoft SQL Server 2005 Express Edition Setup wizard, specify the appropriate settings.



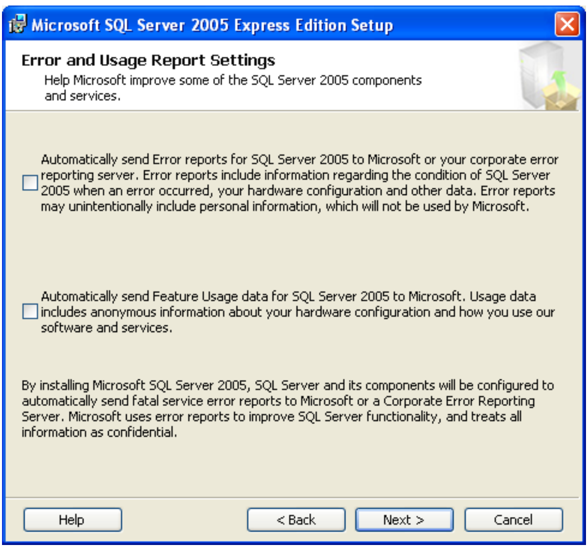
- Select "Mixed Mode (Windows Authentication and SQL Server Authentication)".
- In the [Enter password] and [Confirm password] boxes, type the password of the database administrator. This password will also be used when installing PageScope Enterprise Suite. Do not lose the password.
- Do not use any of the following characters for the "sa (SQL Server administrator)" password for Microsoft SQL Server. ["] (Double quotation), ['] (Single quotation), [;] (Semi colon), [   ] (Space)

7 In the Configuration Option page of the Microsoft SQL Server 2005 Express Edition Setup wizard, check the settings.



– On this page, you do not need to change the settings.

8 In the Specify error and usage status report page of the Microsoft SQL Server 2005 Express Edition Setup wizard, check the settings.



– On this page, you do not need to change the settings.

9 Continue with the Microsoft SQL Server 2005 Express Edition Setup wizard.

– When the wizard is finished, continue with the next step.

10 Continue with the steps for installing the Server for PageScope Enterprise Suite.

2.2 Installing Server for PageScope Enterprise Suite

The following procedure describes how to install Server for PageScope Enterprise Suite on Windows XP.

✎...

Note

Before installing the modules, be sure to log on with Administrator privileges.

The Server for PageScope Enterprise Suite uses Internet Information Services (IIS). Before starting the installation, IIS must be installed.

If the server has been reinstalled, start up Admin Console and check the settings on the Database Settings tab.

Installation procedure

Before beginning the installation, make sure of the following:

✔ IIS (Internet Information Services) has been installed.

✔ Both Microsoft .NET Framework and Microsoft SQL Server have been installed.

✔ Windows is logged on to with Administrator privileges.

✔ For Windows Vista, "IIS Metabase and IIS6 configuration compatibility" has been enabled. If it has not been enabled, in Control Panel, select "Programs and Features", "Turn Windows features on or off", "Internet Information Services", "Web Management Tools", "IIS6 Management Compatibility", and "IIS Metabase and IIS6 configuration compatibility".

1 Run the Server for PageScope Enterprise Suite installer.

– If the installer is provided on CD-ROM, insert it into your CD-ROM drive.

The Installer window appears.

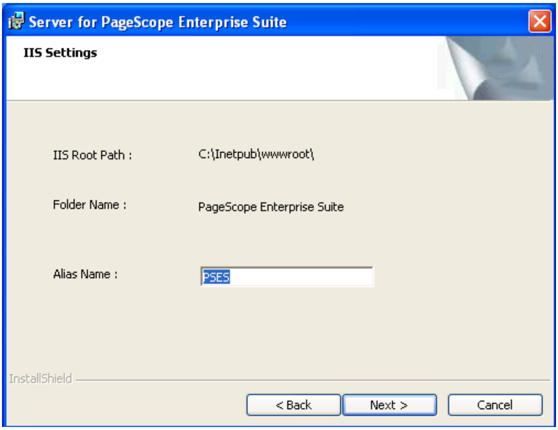
2 Click [Server for PageScope Enterprise Suite] in the installer window.

The Server for PageScope Enterprise Suite page appears.

3 Click [Server for PSES Installation] in the PageScope Enterprise Suite page.

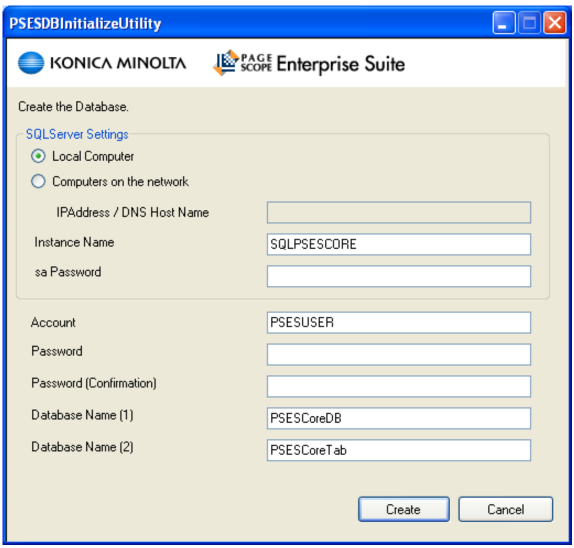
– Server for PageScope Enterprise Suite setup wizard starts.

4 In the IIS Settings page of Server for PageScope Enterprise Suite setup wizard, specify the name of the virtual directory for IIS.



- [Alias Name]: Type in the name (in alphanumeric characters) of the IIS virtual directory.
- The name of the IIS virtual directory is necessary for logging on to PageScope Enterprise Suite.

5 In the PSESDBInitializeUtility page of the PageScope Enterprise Suite setup wizard, enter the necessary information to match the settings of Microsoft SQL Server being used.



- [Local Computer]: Select this option to create the database for PageScope Enterprise Suite on the computer where the utility is being installed.
- [Computers on the network]: Select this option to create the database for PageScope Enterprise Suite on another computer on the network. In the IP Address / DNS Host Name text box, type in the IP address or DNS host name of the computer to which the database is created.
- [Instance Name]: Type in the instance name for the database. To change the instance name, type in the new instance name.
- [sa Password]: Type in the administrator password for SQL Server. Type in the administrator password that was specified when installing Microsoft SQL Server 2005.
- [Account]: Type in the account name (in alphanumeric characters).
- [Password]/[Password (Confirm)]: Type in the password (in alphanumeric characters) for the account specified in the [Account] box.
- [Database Name (1)]/[Database Name (2)] : Type in the database name (in alphanumeric characters).

6 Continue with the PageScope Enterprise Suite setup wizard.

- When the wizard is finished, continue with the next step.

7 Restart the computer.

2.3 Setting up SSL communication

Enabling SSL communication for the Server for PageScope Enterprise Suite enhances security.

✎...

Reminder

If you do not want to enable SSL communication, you do not need to set it up.

Follow the steps below to set up SSL communication.

Steps for setting up SSL communication

1. Create a server certificate request (p. 2-11).
2. Send a server certificate request to a certificate authority (CA) (p. 2-14).
3. Install the server certificate request sent from the certificate authority (CA) (p. 2-14).
4. Set up the SSL encrypted communication for the Web site (p. 2-16)

✎...

Reminder

The following is an example of setting up SSL communication using Windows XP.

2.3.1 Creating a server certificate request

Create a certificate request file to be submitted to a CA using a machine that has the Server for PageScope Enterprise Suite installed.

Creating a server certificate request

1 In Control Panel, open [Administrative Tools] and then select [Internet Information Services].

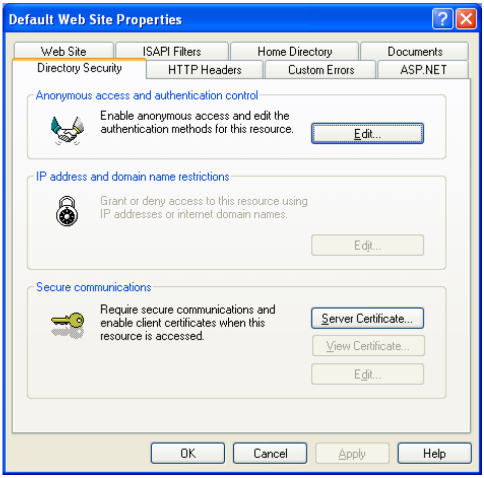
Internet Information Services opens.

2 Select the machine which has the Server for PageScope Enterprise Suite installed in the left pane and then expand the list.

3 Right-click the Web site on which you want to enable SSL communication and then select [Properties].

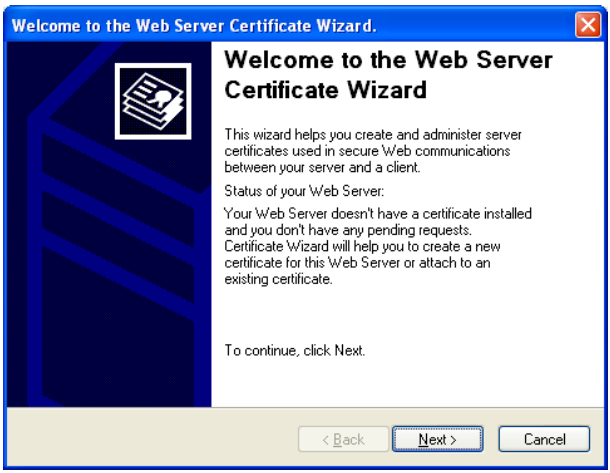
The Properties dialog appears.

4 Select the Directory Security tab.



5 Click the [Server Certificate] button.

The Web Server Certificate Wizard starts.



6 Click the [Next] button.

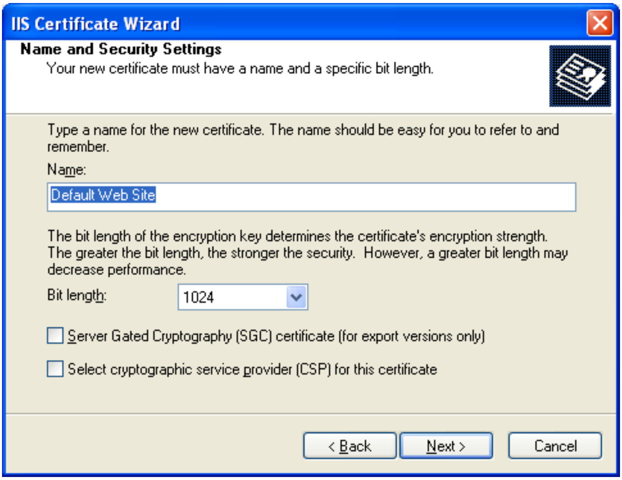
7 On the Server Certificate page, select "Create a New Certificate".

8 Click the [Next] button.

9 On the IIS Certificate wizard, select "Prepare the request now, but send it later".

10 Click the [Next] button.

11 On the Name and Security Settings page, configure the necessary settings.



- Name: Type in a name of the new certificate.
- Bit length: Select a bit length for the encryption key.
- For other settings, contact your administrator.

12 Click the [Next] button.

13 On the Organizational Information page, select the name of your organization name and account.

14 Click the [Next] button.

15 On the Your Site's Common Name page, type the common name for your site.

16 Click the [Next] button.

17 On the Geographical Information page, type your geographical information.

18 Click the [Next] button.

19 On the Certificate Request File Name page, type the complete path to the file in which the certificate request is saved.

– The file path can also be specified by clicking the [Browse] button.

20 Click the [Next] button.

21 On the Request File Summary page, review your settings.

– To return to the previous page, click the [Back] button.

22 Click the [Next] button.

23 On the Completing the Web Server Certificate wizard page, click the [Finish] button.

The server certificate request file is created in the specified location.

2.3.2 Sending a server certificate request to a certificate authority (CA)

Send a server certificate request you created to a certificate authority (CA).

✎...

Reminder

The procedure for sending it to the CA varies depending on the CA. For details, contact the CA that sends a server certificate request.

2.3.3 Installing the certificates

Install the certificate sent from the CA on the machine which has the Server for PageScope Enterprise Suite installed.

Procedure for installing the certificate

1 In Control Panel, open [Administrative Tools] and then select [Internet Information Services].

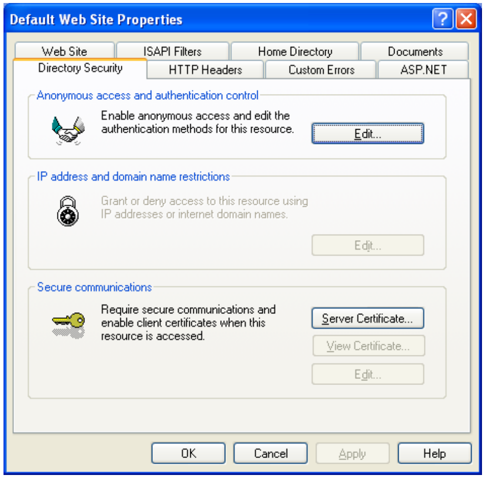
Internet Information Services opens.

2 Select the machine which has the Server for PageScope Enterprise Suite installed in the left pane and then expand the list.

3 Right-click the Web site on which you want to enable SSL communication and then select [Properties].

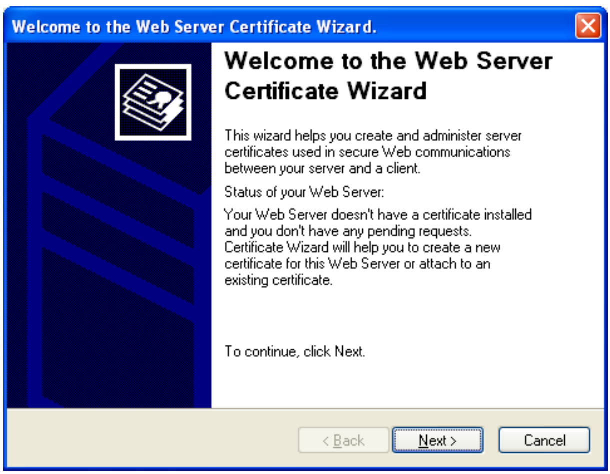
The Properties dialog appears.

4 Select the Directory Security tab.



5 Click the [Server Certificate] button.

The Web Server Certificate Wizard starts.



6 Click the [Next] button.

7 On the Pending Certificate Request page, select "Process the pending request and install the certificate".

8 Click the [Next] button.

9 On the Process a Pending Request page, type the full path to the file containing the certificate sent from the CA.

– The file path can also be specified by clicking the [Browse] button.

10 Click the [Next] button.

11 On the Certificate Summary page, review your settings in the certificate.

12 Click the [Next] button.

13 On the Completing the Web Server Certificate wizard, click the [Finish] button.

When the Web Server Certificate finishes, the server certificate is installed.

✎...

Reminder
To verify that the server certificate has been correctly installed, select the Directory Security tab on the Web Site Properties page and then click the [View Certificate].

2.3.4 Specifying the SSL encrypted communication for a Web site or an alias

Specify to enable the SSL encrypted communication using the machine that has Server for PageScope Enterprise Suite installed.

Procedure for specifying the SSL encrypted communication settings

1 In Control Panel, open [Administrative Tools] and then select [Internet Information Services].

Internet Information Services opens.

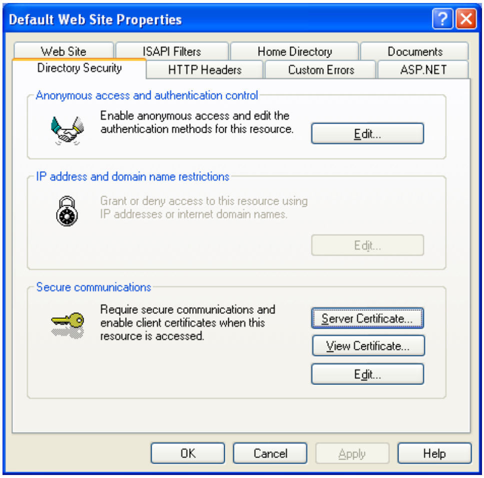
2 Select the machine which has the Server for PageScope Enterprise Suite installed in the left pane and then expand the list.

3 Right-click the Web site or alias on which you want to enable SSL communication and then select [Properties].

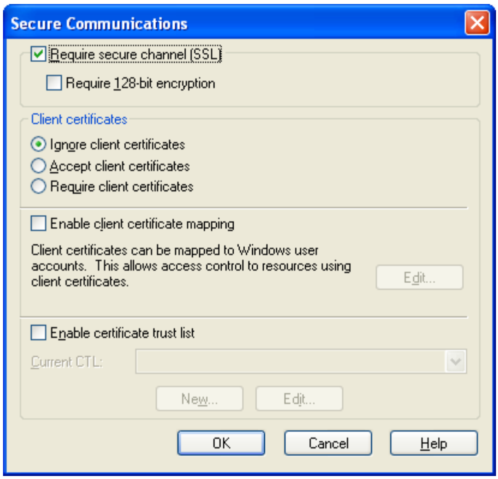
The Properties dialog appears.

4 Select the Directory Security tab.

5 Under [Secure Communications], click the [Edit] button.



6 In the Secure Communications dialog box, select the [Require secure channel (SSL)] check box.



7 Click the [OK] button.

The Secure Communications dialog box closes.

8 Click the [OK] button.

The Properties dialog box closes and the SSL encrypted communication is enabled.

2.4 Logging on to the Server for PageScope Enterprise Suite

The following procedure describes how to log on to the Server for PageScope Enterprise Suite.

✎...

Note

If the number of simultaneous TCP-level connections to the server where PageScope Enterprise Suite is running is limited, multiple number of users may not be able to log on. For example, with Windows XP Professional, the number of users who can concurrently connect to the server at the TCP level is ten.

✎...

Reminder

The functions available after logging on differ between the system administrator and general users. For details, refer to "Logging on as a general user" on page 2-20.

2.4.1 Logging on as a system administrator

Log on to the Server for PageScope Enterprise Suite as the system administrator.

Logging on to the server

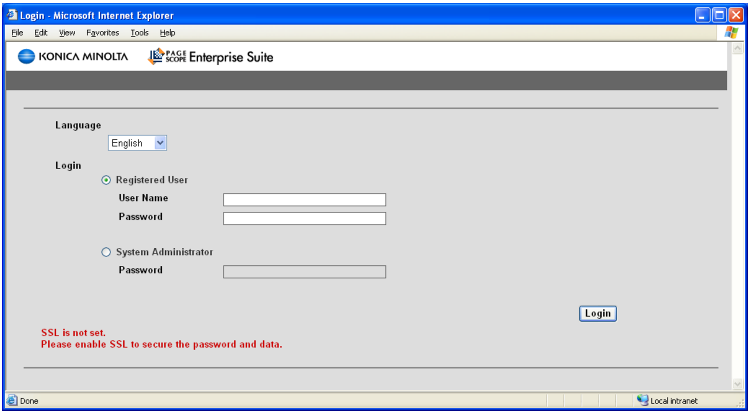
1 Start your Web browser.

2 Access the following URL: http://[server_name]/[alias_name]/

- Replace "server_name" with the IP address or name of the host on which the Server for PageScope Enterprise Suite is running.
- Replace "alias_name" with the name of the virtual directory for the IIS used by the PageScope Enterprise Suite. If the settings on the IIS Setting page of the PageScope Enterprise Suite setup wizard were not changed during installation, replace "alias_name" with "PSES".
- If the host name is "localhost" and the settings on the IIS Setting page of the PageScope Enterprise Suite setup wizard were not changed, access the following URL: http://localhost/PSES/
- To use an IPv6 address for a server name, enclose the address in a pair of brackets, [ ]. If the server address is FFFF:FFFF::FFFF, access "http://[FFFF:FFFF::FFFF]/PSES/". Some browsers may not allow you to access this server address.

- With the Server for PageScope Enterprise Suite enabled for the SSL encrypted communication, type "https" instead of "http". Access the following URL: https://[server_name]/[alias_name]/

The Login page appears.



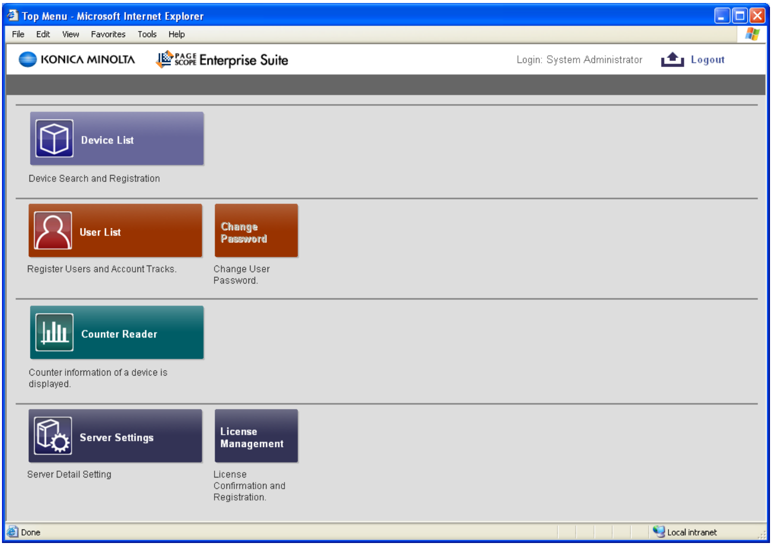
3 Select "System Administrator".

4 In the [Password] box, type the password for the system administrator of the Server for PageScope Enterprise Suite.

- The default system administrator password for the Server for PageScope Enterprise Suite is "Admin".
- The system administrator password for the Server for PageScope Enterprise Suite can be changed from Admin Console. For details, refer to "Changing a password" on page 7-13.

5 Click the [Login] button.

The Top Menu page appears.



2.4.2 Logging on as a general user

Log on to the Server for PageScope Enterprise Suite as a general user.

The user information must first be registered with the Server for PageScope Enterprise Suite. For details on registering users, refer to "User List" on page 4-1.

...

Reminder

When logged on as a general user, only the function for changing the password is available.

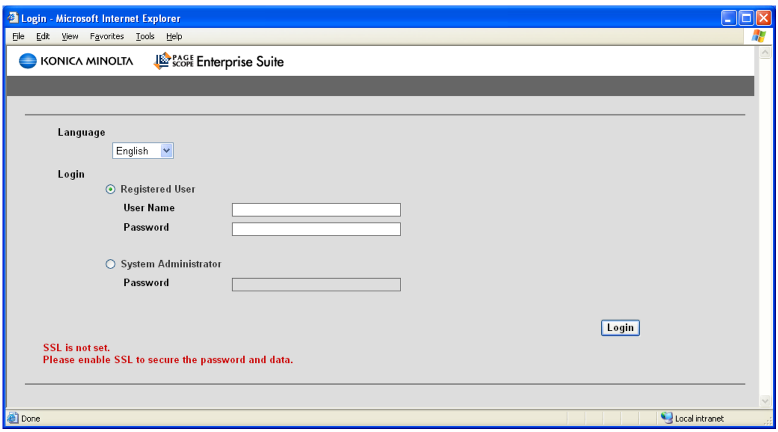
Logging on to the server

1 Start your Web browser.

2 Access the following URL: http://[server_name]/[alias_name]/

– Replace "server_name" with the IP address or name of the host on which the Server for PageScope Enterprise Suite is running.
– Replace "alias_name" with the name of the virtual directory for the IIS used by the PageScope Enterprise Suite. If the settings on the IIS Setting page of the PageScope Enterprise Suite setup wizard were not changed during installation, replace "alias_name" with "PSES".
– If the host name is "localhost" and the settings on the IIS Setting page of the PageScope Enterprise Suite setup wizard were not changed, access the following URL: http://localhost/PSES/
– To use an IPv6 address for a server name, enclose the address in a pair of brackets, [ ]. If the server address is FFFF:FFFF::FFFF, access "http://[FFFF:FFFF::FFFF]/PSES/". Some browsers may not allow you to access this server address.
– With the Server for PageScope Enterprise Suite enabled for the SSL encrypted communication, type "https" instead of "http". Access the following URL: https://[server_name]/[alias_name]/

The Login page appears.



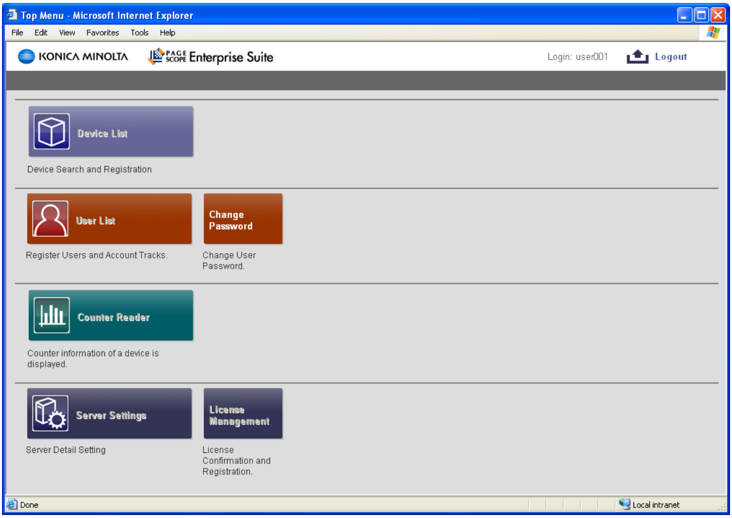
3 Select [Registered User].

4 Type in the information for the registered user.

– [User Name]: Type in the user name.
– [Password]: Type in the password.

5 Click the [Login] button.

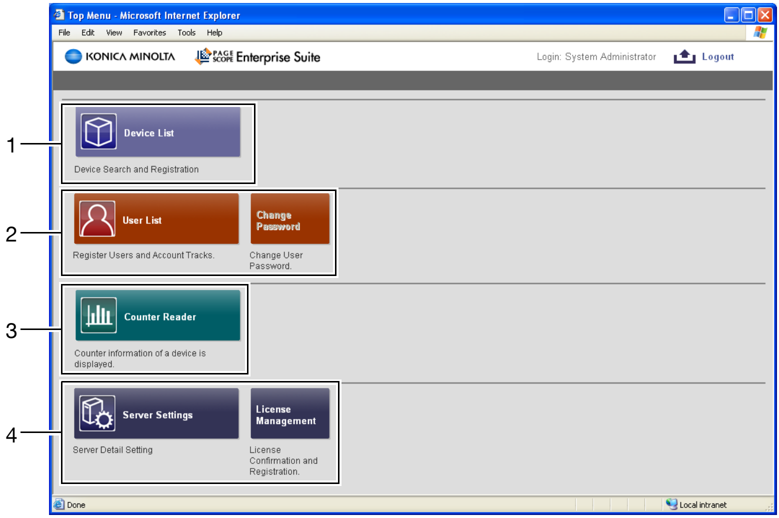
The Top Menu page appears.



2.5 Basic Operations

The basic operation of PageScope Enterprise Suite is described below.

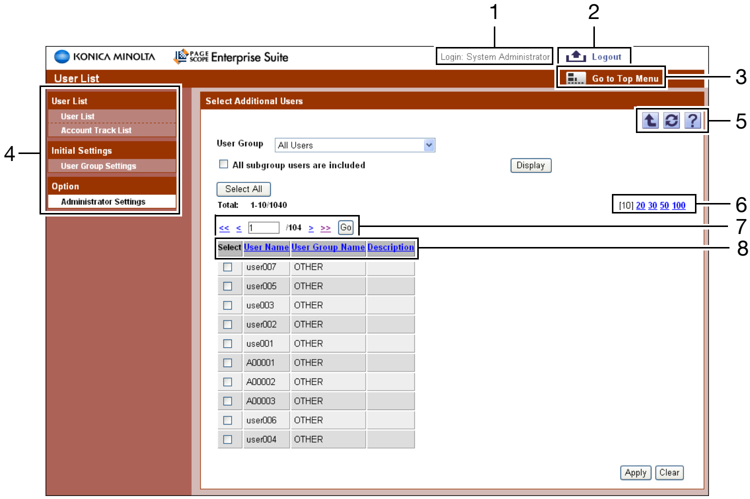
2.5.1 Top Menu page



No.	Function	Description
1	Device List	Register and manage devices. For details, refer to "3 Device List". . . . **Reminder** *This function is available to the system administrator and the device list administrator.* *For details on the device list administrator, refer to "Administrator Settings" on page 3-40.*

No.	Function	Description
2	User List	Register and manage users. For details, refer to "4 User List". ... **Reminder** *This function is available to the system administrator and the user list administrator.* *When logged on as a general user, only the function for changing the password is available.* *For details on the user list administrator, refer to "Administrator Settings" on page 4-33.*
3	Counter Reader	Display the count number. For details, refer to "5 Counter Reader". ... **Reminder** *This function is available to the system administrator and the Counter Reader administrator.* *For details on the Counter Reader administrator, refer to "Administrator Settings" on page 5-12.*
4	Server Settings	Specify the server settings for the Server for PageScope Enterprise Suite. For details, refer to "6 Server Settings". ... **Reminder** *This function is available only to the system administrator.*

2.5.2 Pages for the functions



No.	Function	Description
1	Login user name	Displays the name of the user who is logged on.
2	[Logout] button	Click this button to log off the Server for PageScope Enterprise Suite. The Login page reappears.
3	[Go To Top Menu] button	Click this button to move to the Top Menu page.
4	Menu	The menu items are displayed. Click a menu item to display details on the right side of the page.
5		Click this button to display the page for the item one level higher in the menu. . . . **Note** *The [Back] button of the Web browser cannot be used.*
		Click this button to update the information on the current page. . . . **Note** *The [Refresh] button of the Web browser cannot be used.*
		Click this button to display the Help information for the current page.

No.	Function	Description
6	Maximum number of displayed lines	When a list is displayed on the page, select the number of data items displayed in the list. For example, if "10" is clicked, ten data items are displayed on the current page.
7	Page selection	These buttons appear when the list displayed on the page extends over multiple pages. • Click the [<] button to display the previous page. • Click the [>] button to display the next page. • Click the [<<] button to display the first page. • Click the [>>] button to display the last page. • Type the desired page number in the text box, and then click the [Go] button to display the specified page.
8	Sort List	When a list is displayed on the page, click an item name in the list to sort the entire list using the item as a sort key.

2.6 Uninstallation

Uninstallation procedure

Before uninstalling the Server for PageScope Enterprise Suite, make sure:

✔ No users are logged on to the Server for PageScope Enterprise Suite.

✔ Windows is logged on to with Administrator privileges.

1. From Control Panel, open "Add or Remove Programs" ("Add/Remove Programs" for Windows 2000).
2. Select [Server for PageScope Enterprise Suite], and then delete it.
   - If you do not want to delete a database used in PageScope Enterprise Suite, select "No" when a message appears asking you to confirm deletion.
3. Restart the computer.

✎...

Note

If an instance of Microsoft SQL Server is removed without deleting a database when uninstalling PageScope Enterprise Suite, .mdf and .ldf data files remain in "[that instance's root directory]\Data\". (Example of instance's root directory: C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL)

To reinstall PageScope Enterprise Suite, remove these data files before reinstalling it.

✎...

Note

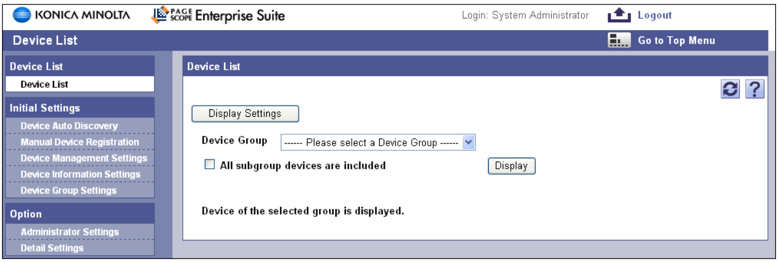
Add-on applications cannot be uninstalled with license registered. Be sure to delete the license before uninstalling any of them.

3 Device List

3.1 Device List

3.1.1 Available operations in the Device List page

From the Device List page, settings can be specified with the following.



Function	Details
Display Settings	Click this button, and then select the items to be displayed in the device list.

3.1.2 Displaying the device list

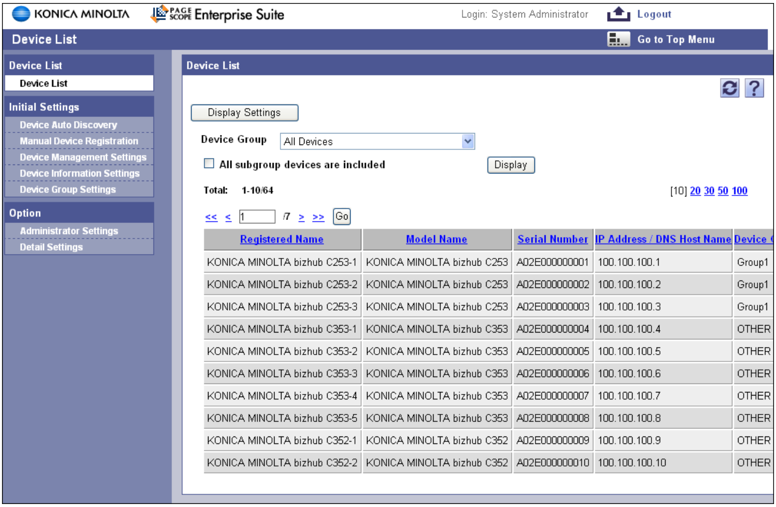
The list of registered devices can be viewed.

1 From the [Device Group] drop-down list, select the device group to be displayed.

   - To display all devices, select "All Devices".
   - If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.

2 Click the [Display] button.

A list of devices registered in the selected group appears.



3.1.3 Specifying display settings for the device list

The items to be displayed or hidden in the device list can be selected. Settings can be specified for the following parameters.

- Registered Name
- Model Name
- Serial Number
- IP Address/DNS Host Name
- Device Group Name
- Nickname*
- Location*
- Contact Person*

...

Note

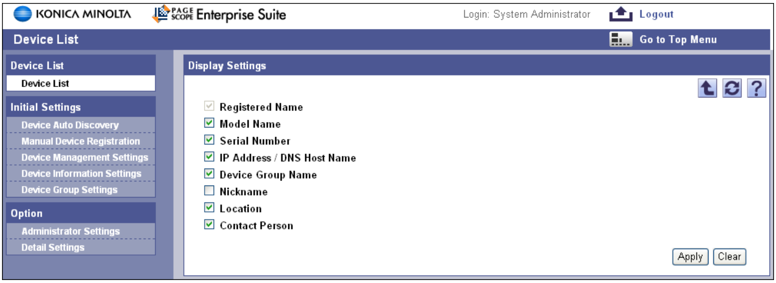
The registered name must be displayed.

...

Reminder

** indicates item names that can be changed when "Display Settings" is selected in the menu of Server Settings. For details, refer to "Display Settings" on page 6-3.*

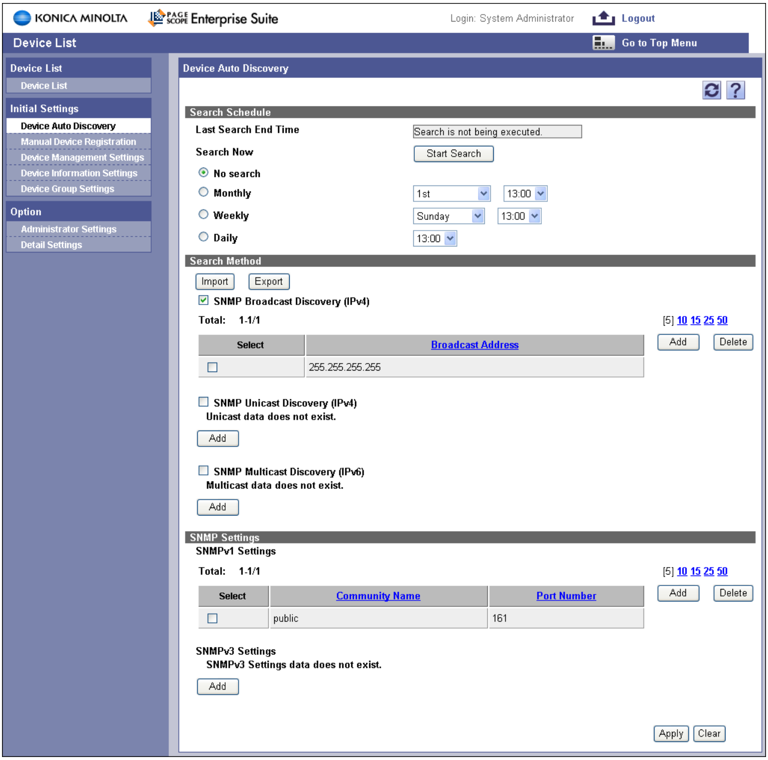
➔ Select the check box for the items to be displayed, and then click the [Apply] button.



3.2 Device Auto Discovery

3.2.1 Specifying search conditions

Search conditions can be specified for the automatic search to register the devices to be managed. Settings can be specified for the following parameters.



<Search Schedule>

Function	Details
Last Search End Time	Displays the date and time when the previous search was performed.
Search Now	To perform a search immediately, click the [Start Search] button.

Function	Details
Monthly/Weekly/Daily	Specify the schedule for automatically performing periodic searches. Monthly: Specify the date and time. Weekly: Specify the day and time. Daily: Specify the time. **Reminder** *If "31st" is selected for "Monthly", the process is performed at the end of the month in months that do not have 31 days. (e.g. on 30th April)*

<Search Method>

Function	Details
[Import] button	Click this button to import Device Auto Discovery information to register the Device Auto Discovery. Imports the following settings. • Broadcast address used for the SNMP broadcast discovery • Start IP address used for the SNMP unicast discovery • End IP address used for the SNMP unicast discovery • Multicast address used for the SNMP multicast discovery
[Export] button	Click this button to export the settings for the currently registered Device Auto Discovery and save it. The following settings are saved. • Broadcast address used for the SNMP broadcast discovery • Start IP address used for the SNMP unicast discovery • End IP address used for the SNMP unicast discovery • Multicast address used for the SNMP multicast discovery
SNMP Broadcast Discovery (IPv4)	Devices can be searched for with a broadcast transmission. The search can be performed quickly, but devices incompatible with broadcasting cannot be found. IP addresses to be selected can be added or deleted. For details on adding an IP address, refer to "Adding an SNMP broadcast discovery" on page 3-7. For details on deleting an IP address, refer to "Deleting settings" on page 3-6.
SNMP Unicast Discovery (IPv4)	A search can be performed by sending an SNMP request to all addresses within the search range. This search is not performed quickly, but it is performed accurately. IP address ranges can be added or deleted. For details on adding an IP address, refer to "Adding an SNMP unicast discovery" on page 3-7. For details on deleting an IP address, refer to "Deleting settings" on page 3-6.

Function	Details
SNMP Multicast Discovery (IPv6)	A search can be performed by sending an SNMP request to all addresses belonging to the multicast group. Load to the network can be reduced, but the router being used must support the IPv6 multicast. Multicast addresses can be added or deleted. For details on adding multicast addresses, refer to "Adding an SNMP multicast discovery" on page 3-8. For details on deleting multicast addresses, refer to "Deleting settings" on page 3-6.

<SNMP Settings>

Function	Details
SNMPv1 Settings	Specify the settings (community name and port number) to be used with the SNMPv1 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery. The information to be selected can be added or deleted. For details on adding settings, refer to "Adding SNMPv1 settings" on page 3-9. For details on deleting settings, refer to "Deleting settings" on page 3-6.
SNMPv3 Settings	Specify the settings (user name, context name, and port number) to be used with the SNMPv3 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery. The information to be selected can be added or deleted. For details on adding settings, refer to "Adding SNMPv3 settings" on page 3-9. For details on deleting settings, refer to "Deleting settings" on page 3-6.

➔ Specify the settings necessary for the automatic search, and then click the [Apply] button.
  – To clear the entered information, click the [Clear] button.

3.2.2 Deleting settings

Follow the procedure described below to delete settings from the following sections.

- SNMP Broadcast Discovery
- SNMP Unicast Discovery
- SNMP Multicast Discovery
- SNMPv1 Settings
- SNMPv3 Settings

1 Select the settings to be deleted, and then click the [Delete] button.

2 Check the message that appears, and then click the [OK] button to delete the group.

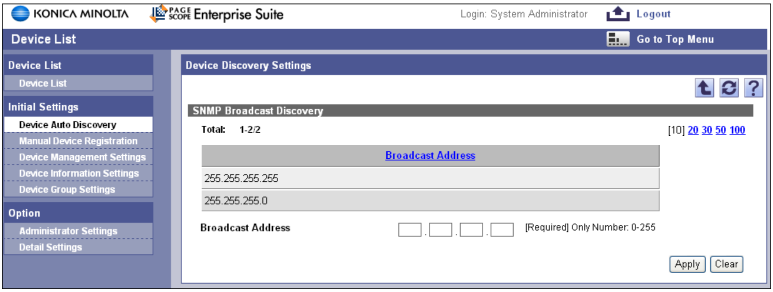
The settings are deleted.

3.2.3 Adding an SNMP broadcast discovery

Specify the broadcast address used for the SNMP broadcast discovery. Settings can be specified for the following parameters.

Function	Details
List	Displays the broadcast address that is currently registered.
Broadcast Address	In the format " xxx.xxx.xxx.xxx", type in the IP address.

➔ Specify the necessary settings, and then click the [Apply] button.
 – To clear the entered information, click the [Clear] button.

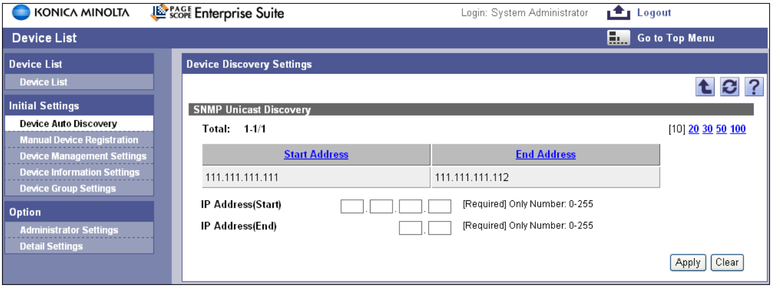


3.2.4 Adding an SNMP unicast discovery

Specify the IP address range to be used in the SNMP unicast discovery. Settings can be specified for the following parameters.

Function	Details
List	Displays the IP address to start search at and the IP address to end search at that are currently registered.
IP Address (Start)	In the format "xxx.xxx.xxx.xxx", type in the IP address to start the search.
IP Address (End)	In the format "xxx.xxx", type in the IP address to end the search. Type in an IP address higher than that entered for "IP Address (Start)".

➔ Specify the necessary settings, and then click the [Apply] button.
– To clear the entered information, click the [Clear] button.



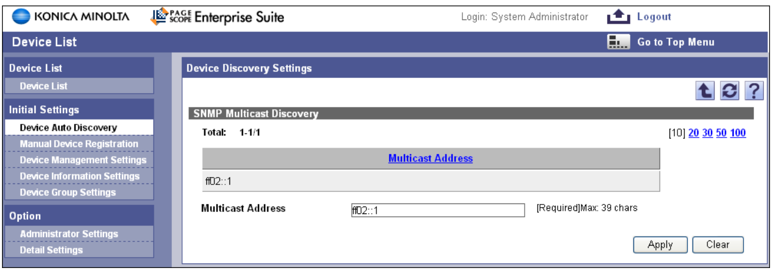
3.2.5 Adding an SNMP multicast discovery

Specify the multicast address used for the SNMP multicast discovery.

Settings can be specified for the following parameters.

Function	Details
List	Displays the multicast address that is currently registered.
Multicast Address	In the IPv6 format, type in the multicast address.

➔ Specify the necessary settings, and then click the [Apply] button.
– To clear the entered information, click the [Clear] button.

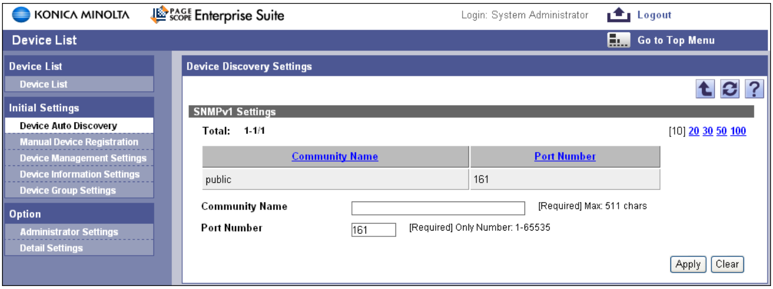


3.2.6 Adding SNMPv1 settings

Specify the settings to be used with the SNMPv1 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery. Settings can be specified for the following parameters.

Function	Details
List	Displays the SNMPv1 settings that are currently registered.
Community Name	Type in the Read community name.
Port number	Type in the port number.

➔ Specify the necessary settings, and then click the [Apply] button.
- To clear the entered information, click the [Clear] button.



3.2.7 Adding SNMPv3 settings

Specify the settings to be used with the SNMPv3 protocol during an SNMP broadcast discovery/SNMP unicast discovery/SNMP multicast discovery. Settings can be specified for the following parameters.

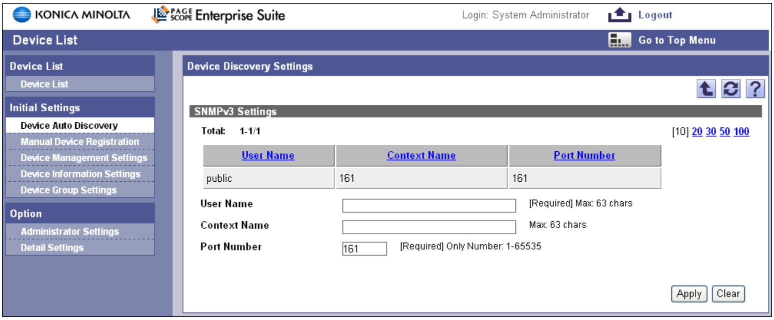
...

Note

The security level is set to "NoAuth/NoPriv" and cannot be changed.

Function	Details
List	Displays the SNMPv3 settings that are currently registered.
User Name	Type in the user name.
Context Name	Type in the context name.
Port number	Type in the port number.

➔ Specify the necessary settings, and then click the [Apply] button.
– To clear the entered information, click the [Clear] button.



3.2.8 Importing search conditions

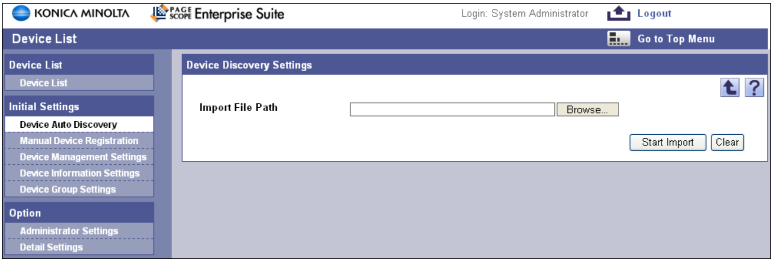
Device search conditions data previously saved as a tab delimited text file can be imported to register the device search conditions.

Import the following data.
- Broadcast address used for the SNMP broadcast discovery
- Start IP address used for the SNMP unicast discovery
- End IP address used for the SNMP unicast discovery
- Multicast address used for the SNMP multicast discovery

Specify settings for the following parameters when importing.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button. ... **Note** *Do not import any file in a non tab -delimited text format. If you attempt to do so, it may not work properly.*

➔ Specify the settings necessary for importing, and then click the [Start Import] button.
– To clear the entered information, click the [Clear] button.



The result of the import operation appears.

...

Reminder

For details on the result page, refer to "Checking the import result" on page 3-14.

3.2.9 Editing an exported file

Edit an exported file with a spreadsheet application. The following procedure describes how to edit an exported file using, for example, Microsoft Excel.

1 Open Microsoft Excel.

2 Select [Open].

3 Select your desired exported file.

– Select "All Files" or "Text Files" in "Files of type".

The Text Import Wizard appears.

4 Specify the Data Type that best describes your data, and then click the [Next] button.

– Under "Original data type", select "Delimited - Characters such as commas or tabs separate each field".
– Select 1 for "Start Import at Row".
– Select the character code set for exporting.

5 Specify the text delimiter that separates the fields, and then click the [Next] button.

– Select "Tab" from the "Delimiters" field.
– Clear the "Treat consecutive delimiters as one" check box.
– Select ""(double quotation mark)" from the "Text Qualifier".

6 Specify the Data Format for your columns, and then click the [Finish] button.

– Highlight the desired column in the "Data preview" and change the "Column data format" to "Text".
– Change the Data Format for all columns to "Text".

The exported file opens.

7 Edit the file.

8 Save the file.

– To save the file as a new file, select "Text (tab-delimited)" under "Save file as type".

3.2.10 Creating an import file

An import file can be created using a spreadsheet application (Microsoft Excel).

✎...

Reminder

The import file can also be created by clicking the [Export] button to export a tab-delimited text file, then entering the data.

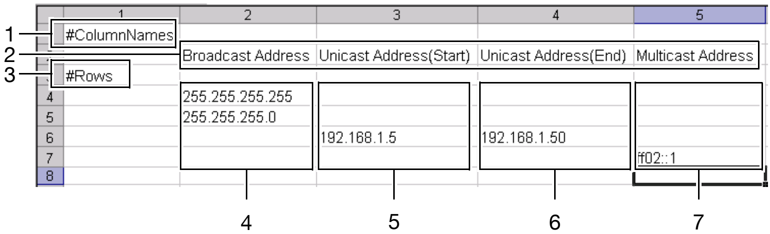
For details on editing an exported file with Microsoft Excel, refer to "Editing an exported file" on page 3-11.

When search conditions are exported, the file character code is fixed to "UTF-8".

1 Open a data file in Microsoft Excel.

2 Create data and then save it by selecting "Save As".

– To save the file as a new file, select "Text (tab-delimited)" under "Save file as type".



No.	Required	Function	Details
1	○	#ColumnNames	Type in the first row.
2	○	(Item titles)	Starting with the second column of the second row, type in "Broadcast Address", "Unicast Address (Start)", "Unicast Address (End)", and "Multicast Address". Do not type anything in the first column.
3	○	#Rows	Type in the third row.
4		Broadcast Address	Type in the broadcast address.
5		Unicast Address (Start)	Type in the IP address to start the unicast discovery.
6		Unicast Address (End)	Type in the IP address to end the unicast discovery.
7		Multicast Address	Type in the multicast address.

...

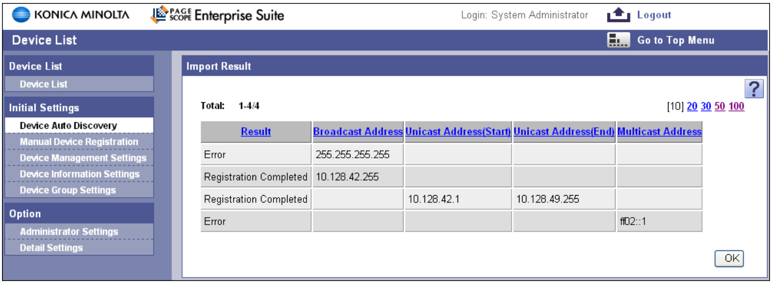
Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the detailed search condition data by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

3.2.11 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.

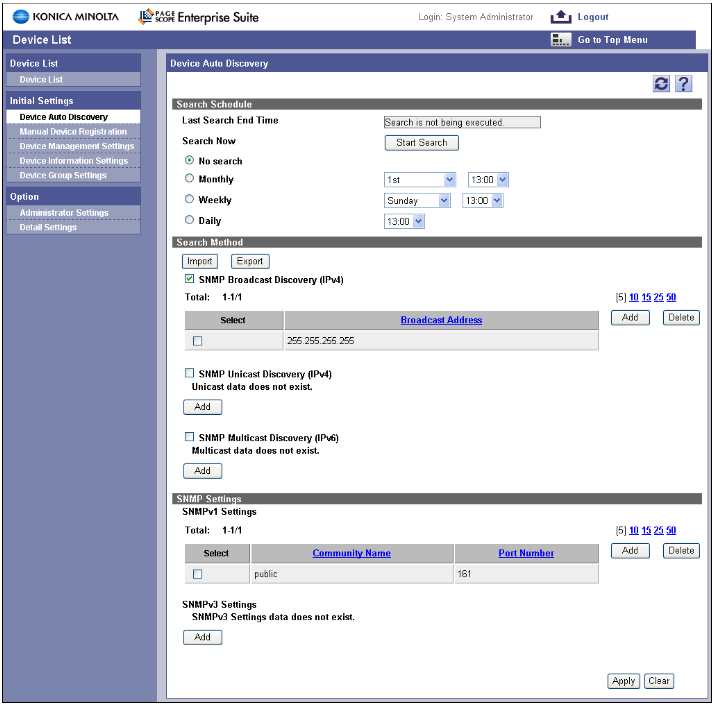


Function	Details
Result	Displays whether the registration operation was successfully completed from importing. Displays the following results. • Registration Completed: The new registration was successfully completed. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Broadcast Address	Displays the broadcast address.
Unicast Address (Start)	Displays the IP address to start the unicast discovery.
Unicast Address (End)	Displays the IP address to end the unicast discovery.
Multicast Address	Displays the multicast address.

3.2.12 Exporting search conditions

The search conditions can be exported to a tab-delimited text file. Search conditions can be specified by temporarily saving the registered information or adding information on the search conditions in the correct format, then importing it.

1 In the Device Auto Discovery page, click the [Export] button.



2 In the File Download dialog box, click the [Save] button.

3 Specify the location where the file is to be saved, and then click the [Save] button.

4 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.

...

Reminder

The exported data can be viewed and edited in a spreadsheet application.

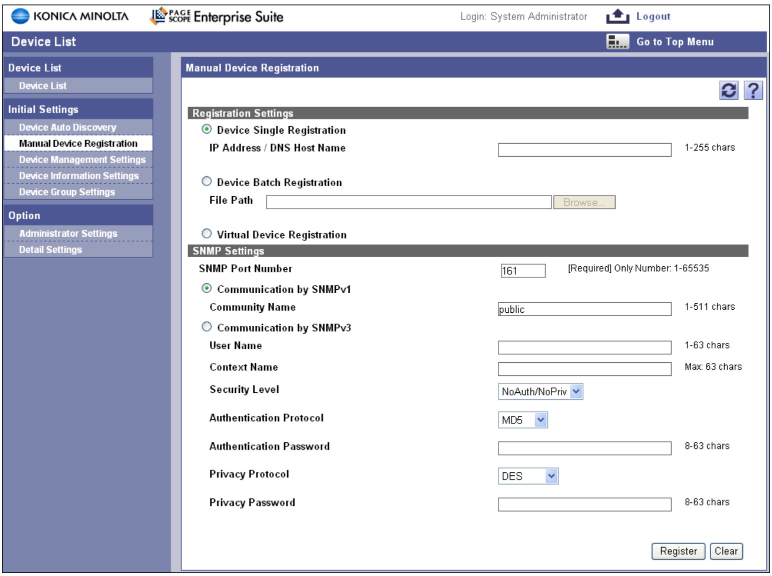
For details on editing an exported file with a spreadsheet application, refer to "Editing an exported file" on page 3-11.

3.3 Manual Device Registration

Manually register devices that cannot be found automatically.

Settings can be specified for the following parameters.

Function	Details
Device Single Registration	Manually specify the information for each device to be managed.
Device Batch Registration	Devices can also be registered by typing in a tab-delimited text file containing the device information, then importing that file.
Virtual Device Registration	Manually specify the information necessary for the device to be registered. Devices of which information cannot be obtained on the network can be registered.
SNMP Settings	If "Device Single Registration" or "Device Batch Registration" is selected, specify the information necessary for searching for the device.



3.3.1 Device Single Registration

Manually specify the information for each device to be managed. Settings can be specified for the following parameters.

Function	Details
IP Address/DNS Host Name	Type in the IP address or host name of the device to be registered. **Note** *Use a global address for IPv6 address. Some functions may not be available if any address other than the global address is used.*
SNMP Port Number	Type in the port number to be used with SNMP.
Community Name	Type in the community name to be used with SNMPv1.
User Name	Type in the user name to be used with SNMPv3.
Context Name	Type in the context name to be used with SNMPv3.
Security Level	Select "NoAuth/NoPriv", "Auth/NoPriv" or "Auth/Priv" as the security level to be used with SNMPv3.
Authentication Protocol	Select "MD5" or "SHA-1" as the authentication protocol to be used with SNMPv3. **Reminder** *The authentication protocol must be specified when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".*
Authentication Password	Type in the authentication password to be used with SNMPv3. **Reminder** *The password must be entered when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".*
Privacy Protocol	Select "DES" or "AES-128" as the privacy protocol to be used with SNMPv3. **Reminder** *The privacy protocol must be specified when "Security Level" is set to "Auth/Priv".*
Privacy Password	Type in the privacy password to be used with SNMPv3. **Reminder** *The password must be entered when "Security Level" is set to "Auth/Priv".*

1 Select "Device Single Registration".

2 Specify the necessary settings, and then click the [Register] button.

– To clear the entered information, click the [Clear] button.

✎...

Note

The information required for each device to be registered is obtained from these devices. As a result, no device can be registered unless SNMP is enabled or the entered information matches the SNMP settings specified for each device.

3.3.2 Device Batch Registration

Devices can also be registered by typing in a tab-delimited text file containing the device information, then importing that file.

1 Select "Device Batch Registration".

2 In the "File Path" box, type the path to the file where the device information is saved.

The file path can also be specified by clicking the [Browse] button.

3 Click the [Register] button.

To clear the entered information, click the [Clear] button.

✎...

Reminder

The information required for each device to be registered is obtained from these devices. As a result, no device can be registered unless SNMP is enabled or the entered information matches the SNMP settings specified for each device.

After the file is imported, the information necessary for registration is obtained from each device and registered. Thus, each time file import was successfully completed, the device that has been registered successfully will be displayed on the Device Management Settings screen. A device that has not been registered successfully will not be displayed on the Device Management Settings screen.

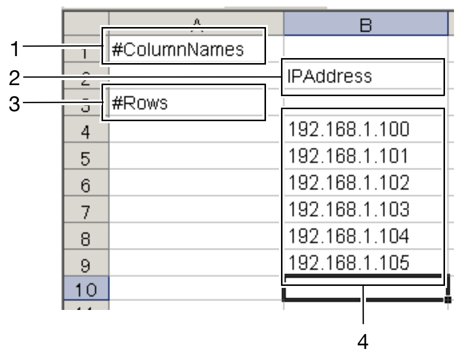
3.3.3 Creating an import file

An import file can be created using a spreadsheet application (Microsoft Excel).

1 Open Microsoft Excel.

2 Create data and then save it by selecting "Save As".

– To save the file as a new file, select "Text (tab-delimited)" under "Save file as type".



No.	Required	Function	Details
1	○	#ColumnNames	Type in the first row.
2	○	(Item titles)	In the second column of the second row, type in "IPAddress". Do not type anything in the first column.
3	○	#Rows	Type in the third row.
4	○	Device addresses	In the second column of the fourth and later rows, type the device addresses. Do not type anything in the first column.

...

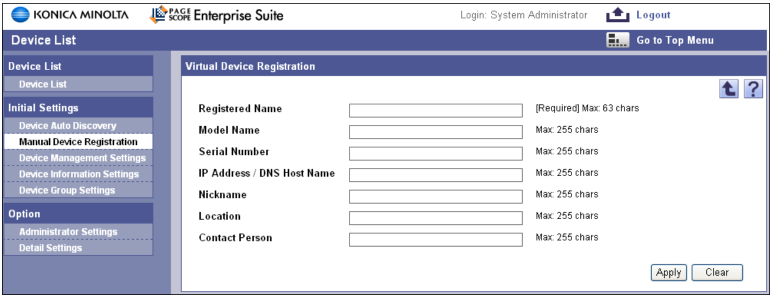
Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the data for the device by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

3.3.4 Virtual Device Registration

Manually specify the information necessary for the device to be registered. Devices of which information cannot be obtained on the network can be registered. Settings can be specified for the following parameters.



Function	Details
Registered Name	Type in the registered name for the device.
Model Name	Type in the model name for the device.
Serial Number	Type in the serial number for the device.
IP Address/DNS Host Name	Type in the IP address or host name for the device.
Nickname*	Type in the nickname for the device.
Location*	Type in the installation location for the device.
Contact Person*	Type in the name of the contact person for the device.

...

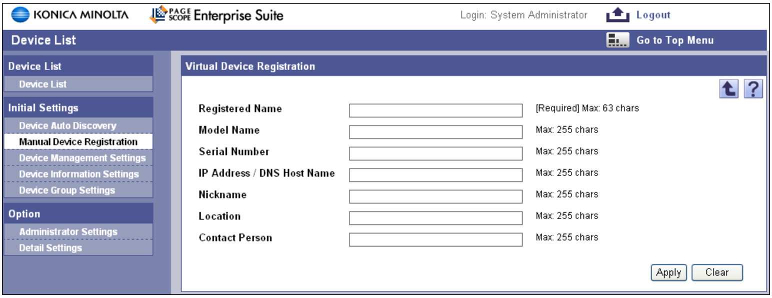
Reminder

** indicates item names that can be changed when "Display Settings" is selected in the menu of Server Settings. For details, refer to "Display Settings" on page 6-3.*

1 Select "Virtual Device Registration".

2 Click the [Register] button.

The Virtual Device Registration page appears.



3 Specify the necessary settings, and then click the [Apply] button.

– To clear the entered information, click the [Clear] button.

Reminder

The registered information can be edited with "Device Info Settings". For details, refer to "Specifying device information" on page 3-27.

3.4 Device Management Settings

3.4.1 Displaying the device list

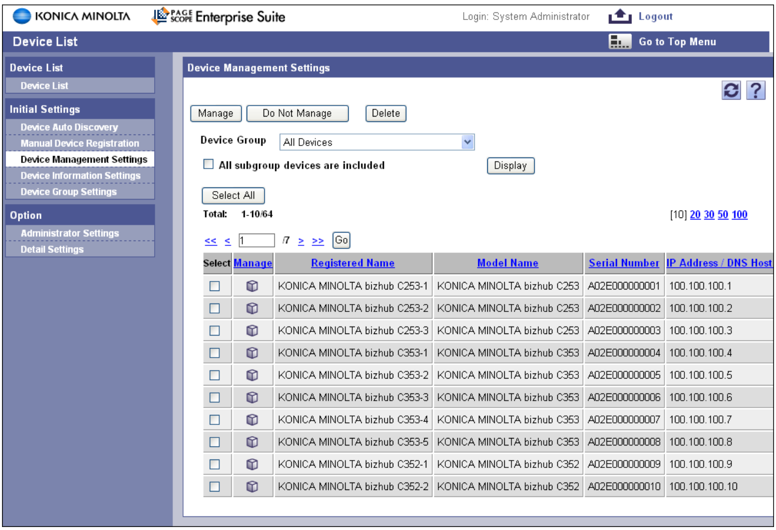
In Device Management Settings, the devices to be managed or not can be specified individually from the device list.

The list of registered devices can be displayed.

1. From the [Device Group] drop-down list, select the device group to be displayed.
   - To display all devices, select "All Devices".
   - If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.

2. Click the [Display] button.

   A list of devices registered in the selected group appears.



Function	Description
	Devices that are managed.
	Devices that are not managed.

3.4.2 Specifying devices to be managed

1. From the device list, select the check box below "Select" for the devices to be managed.
2. Click the [Manage] button.

3.4.3 Specifying devices not to be managed

1. From the device list, select the check box below "Select" for the devices not to be managed.
2. Click the [Not Manage] button.

✎...

Reminder

It is not possible to change the device management state to "Not Manage" for a device that is used with an add-on application requiring a license.

Be sure to change the device management state not to use (manage) the device on the setting screen for your add-on application before selecting "Not Manage" for the device on the Device Management Settings screen.

A device that is specified for "Not Manage" will not be displayed on any screen other than this screen, including those screens of add-on applications.

3.4.4 Deleting a device from the list

Data for a device can be deleted from the device list.

✎...

Note

When this operation is performed, all data for the device is deleted from the database.

1. From the device list, select the check box below "Select" for the devices to be deleted.
2. Click the [Delete] button.
3. Check the message that appears, and then click the [OK] button to delete the group.

   The data for the device is deleted.

...

Reminder

Multiple devices can be selected at the same time.

...

Reminder

Any device that is used with an add-on application requiring a license cannot be deleted.

Be sure to change the device management state not to use (manage) the device on the setting screen for your add-on application before deleting the device on the Device Management Settings screen.

3.5 Device Information Settings

3.5.1 Displaying the device list

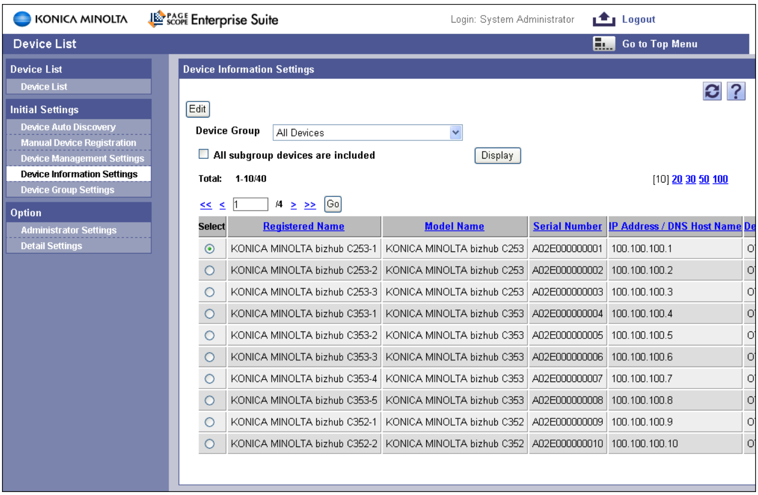
The list of registered devices can be displayed.

1 From the [Device Group] drop-down list, select the device group to be displayed.

- To display all devices, select "All Devices".
- If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.

2 Click the [Display] button.

A list of devices registered in the selected group appears.



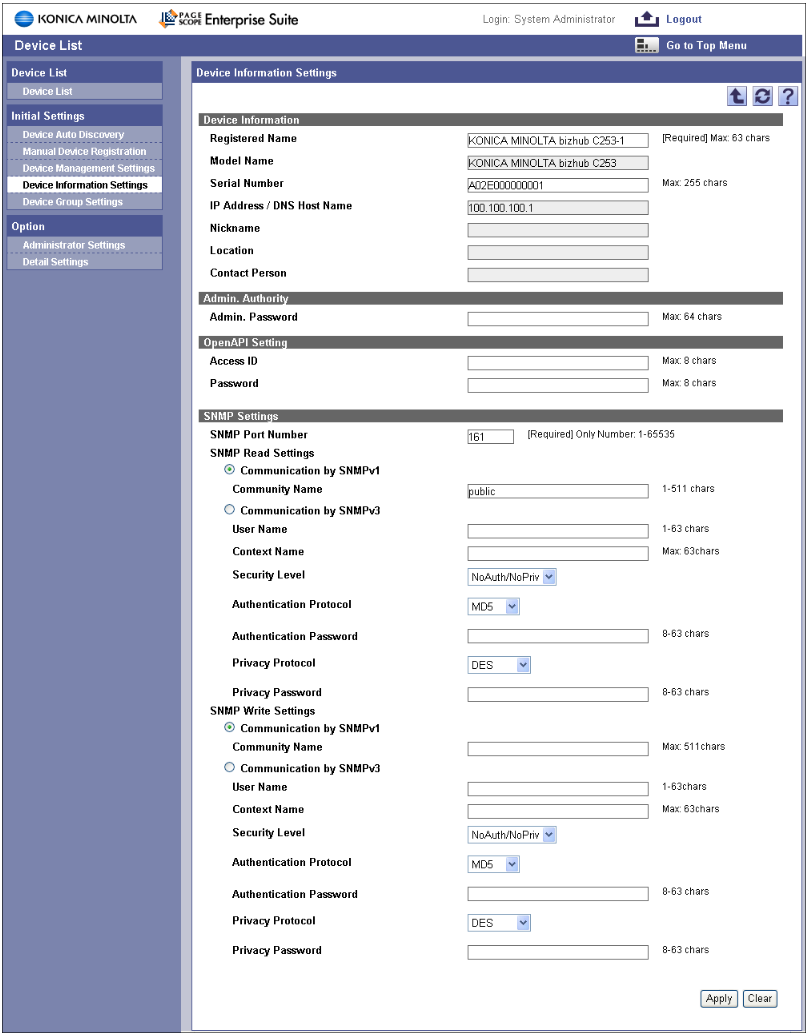
Specifying device information

➔ From the device list, select the device whose settings are to be specified, and then click the [Edit] button.

The Device Info Settings page appears.

3.5.2 Specifying device information

The information of the selected device can be specified and displayed. Settings can be specified for the following parameters.



Reminder

The settings in this page should be specified to match the settings specified on the device.

...

Reminder

The information displayed varies depending on the device.

...

Note

If the settings in this page are different from the settings specified on the device, some functions, including add-on applications, may become unavailable.

If the settings specified for the device are changed, be sure to change the setting on this screen.

<Device Information>

Function	Details
Registered Name	Type in the registered name for the device.
Model Name	Displays the model name for the device.
Serial Number	Type in the serial number for the device.
IP Address/DNS Host Name	Displays the IP address or host name for the device.
Nickname*	Displays the nickname for the device.
Location*	Displays the installation location for the device.
Contact Person*	Displays the name of the contact person for the device.

...

Reminder

** indicates item names that can be changed when "Display Settings" is selected in the menu of Server Settings. For details, refer to "Display Settings" on page 6-3.*

<Admin. Authority>

Function	Details
Admin. Password	Type in the administrator password for the device.

<OpenAPI Settings>

Function	Details
Access ID	Type in the OpenAPI access ID.
Password	Type in the OpenAPI password.

<Authentication Settings>

Function	Details
Password	Type in the password used with HTTP or WebDAV authentication.

<SNMP Settings>

Function	Details
SNMP Port Number	Type in the SNMP port number.
SNMP Read Settings	
Community Name	Type in the community name to be used with SNMPv1.
User Name	Type in the user name to be used with SNMPv3.
Context Name	Type in the context name to be used with SNMPv3.
Security Level	Select "NoAuth/NoPriv", "Auth/NoPriv" or "Auth/Priv" as the security level to be used with SNMPv3.
Authentication Protocol	Select "MD5" or "SHA-1" as the authentication protocol to be used with SNMPv3. ... **Reminder** *The authentication protocol must be specified when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".*
Authentication Password	Type in the authentication password to be used with SNMPv3. ... **Reminder** *The password must be entered when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".*
Privacy Protocol	Select "DES" or "AES-128" as the privacy protocol to be used with SNMPv3. ... **Reminder** *The privacy protocol must be specified when "Security Level" is set to "Auth/Priv".*
Privacy Password	Type in the privacy password to be used with SNMPv3. ... **Reminder** *The password must be entered when "Security Level" is set to "Auth/Priv".*

Function	Details
SNMP Write Settings	
Community Name	Type in the community name to be used with SNMPv1.
User Name	Type in the user name to be used with SNMPv3.
Context Name	Type in the context name to be used with SNMPv3.
Security Level	Select "NoAuth/NoPriv", "Auth/NoPriv" or "Auth/Priv" as the security level to be used with SNMPv3.
Authentication Protocol	Select "MD5" or "SHA-1" as the authentication protocol to be used with SNMPv3. ✎... **Reminder** *The authentication protocol must be specified when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".*
Authentication Password	Type in the authentication password to be used with SNMPv3. ✎... **Reminder** *The password must be entered when "Security Level" is set to "Auth/NoPriv" or "Auth/Priv".*
Privacy Protocol	Select "DES" or "AES-128" as the privacy protocol to be used with SNMPv3. ✎... **Reminder** *The privacy protocol must be specified when "Security Level" is set to "Auth/Priv".*
Privacy Password	Type in the privacy password to be used with SNMPv3. ✎... **Reminder** *The password must be entered when "Security Level" is set to "Auth/Priv".*

✎...

Reminder

Below "SNMP Settings", select whether SNMPv1 or SNMPv3 is used, and then specify the community name or user name.

➔ Specify the necessary settings, and then click the [Apply] button.
- To clear the entered information, click the [Clear] button.

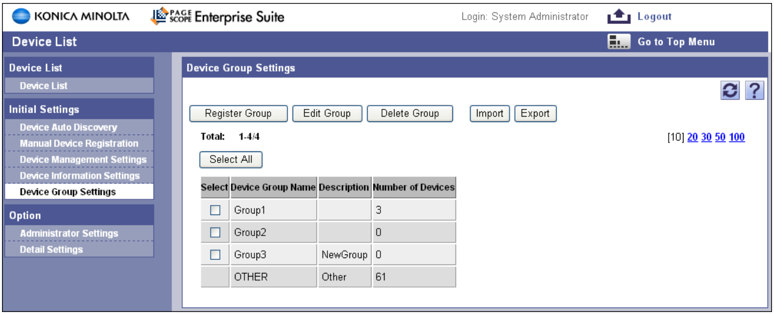
✎...

Reminder

When you click the [Apply] button, the server connects to the device according to the information specified. Changes cannot be applied if the server fails to connect to the device.

3.6 Device Group Settings

When registering and editing groups, settings for the following parameters can be specified.



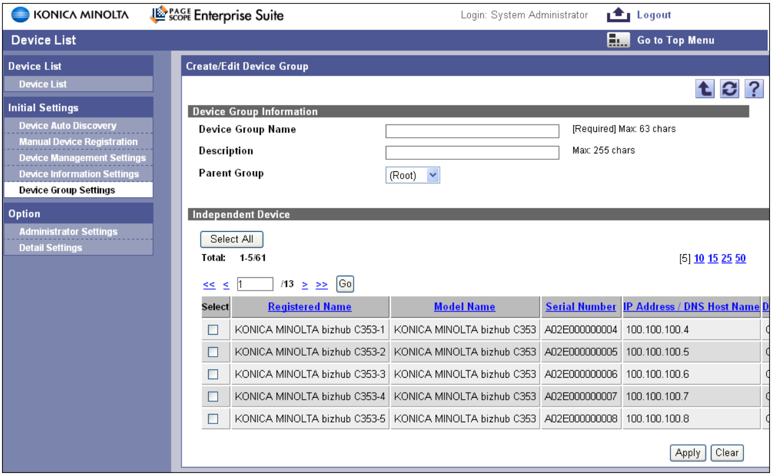
Function	Details
[Register Group] button	Click this button to register device groups.
[Edit Group] button	Click this button to edit the information for a registered group.
[Delete Group] button	Click this button to delete a registered group.
[Import] button	Click this button to import group information to register the groups.
[Export] button	Click this button to export the information for the currently registered groups and save it.

3.6.1 Registering a group

New device groups can be registered. When registering groups, settings for the following parameters can be specified.

Function	Details
Device Group Name	Type in a device group name.
Description	Type in a description of the group.
Parent Group	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".
Independent Device	The list of devices that do not yet belong to a group are displayed. To add a device to the created group, select the check box for the device.

➔ Specify the necessary settings, and then click the [Apply] button.
– To clear the entered information, click the [Clear] button.

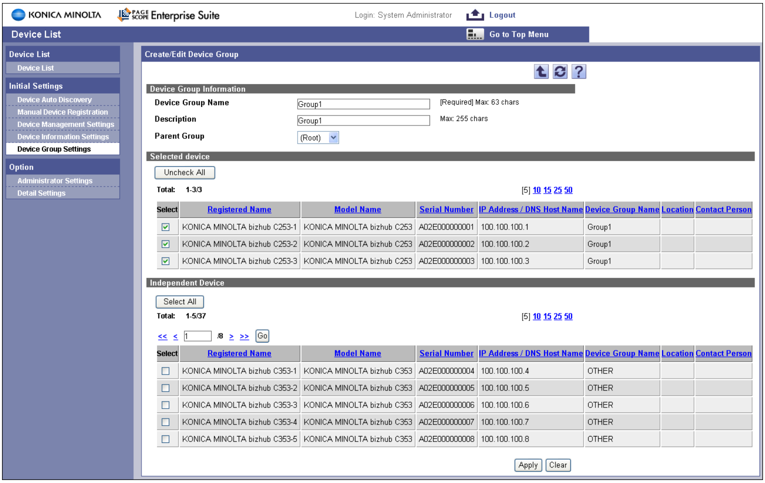


3.6.2 Editing a group

The information for the selected device group can be edited. When editing groups, settings for the following parameters can be specified.

Function	Details
Device Group Name	Type in a device group name.
Description	Type in a description of the group.
Parent Group	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".
Selected device	A list of devices belonging to the group being edited appears. To remove a device from the group, clear the check box for the device.
Independent Device	The list of devices that do not yet belong to a group are displayed. To add a device to the created group, select the check box for the device.

➔ Specify the necessary settings, and then click the [Apply] button.
– To clear the entered information, click the [Clear] button.

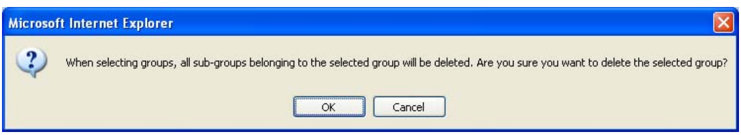


3.6.3 Deleting a group

A group can be deleted. All groups belonging to the group to be deleted will also be deleted.

1 In the Device Group Settings page, select the group to be deleted, and then click the [Delete Group] button.

2 Check the message that appears, and then click the [OK] button to delete the user.



The group is deleted.

...

Reminder

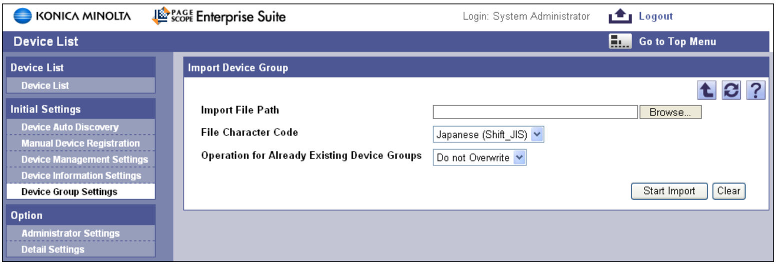
The data for a device belonging to a group cannot be deleted.

3.6.4 Importing device groups

Device group data previously saved in a tab-delimited text file can be imported to register the groups. Specify settings for the following parameters when importing.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
File Character Code	Select Japanese (Shift_JIS) or UTF-8 as the file character code.
Operation for Already Existing Device Groups	Select whether or not to overwrite the information in "Description" and "Parent Group" if there is already an imported device group with the same name.

➔ Specify the settings necessary for importing, and then click the [Start Import] button.
- To clear the entered information, click the [Clear] button.



The result of the import operation appears.

...

Reminder

For details on the result page, refer to "Checking the import result" on page 3-38.

3.6.5 Editing an exported file

Edit an exported file with a spreadsheet application. The following procedure describes how to edit an exported file using, for example, Microsoft Excel.

1. Open Microsoft Excel.
2. Select [Open].
3. Select your desired exported file.
   - Select "All Files" or "Text Files" in "Files of type".

   The Text Import Wizard appears.

4 Specify the Data Type that best describes your data, and then click the [Next] button.

- Under "Original data type", select "Delimited - Characters such as commas or tabs separate each field".
- Select 1 for "Start Import at Row".
- Select the character code set for exporting.

5 Specify the text delimiter that separates the fields, and then click the [Next] button.

- Select "Tab" from the "Delimiters" field.
- Clear the "Treat consecutive delimiters as one" check box.
- Select "" (double quotation mark)" from the "Text Qualifier".

6 Specify the Data Format for your columns, and then click the [Finish] button.

- Highlight the desired column in the "Data preview" and change the "Column data format" to "Text".
- Change the Data Format for all columns to "Text".

The exported file opens.

7 Edit the file.

8 Save the file.

- To save the file as a new file, select "Text (tab-delimited)" under "Save file as type".

3.6.6 Creating an import file

An import file can be created using a spreadsheet application (Microsoft Excel).

✎...

Reminder

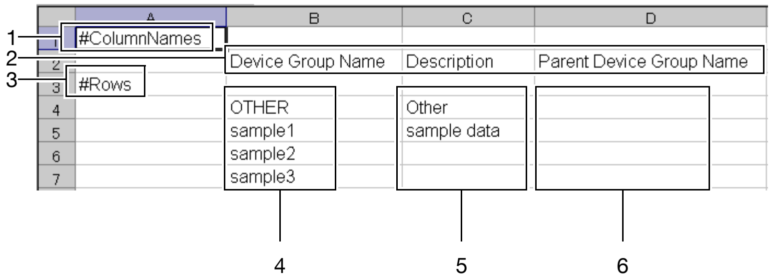
The import file can also be created by clicking the [Export] button to export a tab-delimited text file, then entering the data.

For details on editing an exported file with Microsoft Excel, refer to "Editing an exported file" on page 3-35.

1 Open a data file in Microsoft Excel.

2 Create data and then save it by selecting "Save As".

- To save the file as a new file, select "Text (tab-delimited)" under "Save file as type".



No.	Required	Function	Details
1	○	#ColumnNames	Type in the first row.
2	○	(Item titles)	Starting with the second column of the second row, type in "Device Group Name", "Description" and "Parent Device Group Name". Do not type anything in the first column.
3	○	#Rows	Type in the third row.
4	○	Device Group Name	Type in a device group name.
5		Description	Type in a description of the device group.
6		Parent Device Group Name	To create master/subordinate relationships in the group, type in the name of the parent group.

...

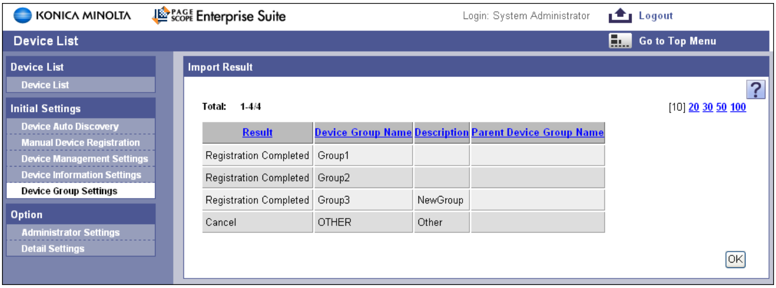
Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the detailed search condition data by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

3.6.7 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



Function	Details
Result	Displays whether the registration operation was successfully completed from importing. Displays the following results. • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Device Groups" and the information for "Description" and "Parent Group" for the device having the existing group name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Device Groups" and no processing is performed since the same device group name already exists. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Device Group Name	Displays the name of the device group.
Description	Displays the description of the device group.
Parent Device Group Name	Displays the name of the parent device group.

3.6.8 Exporting device groups

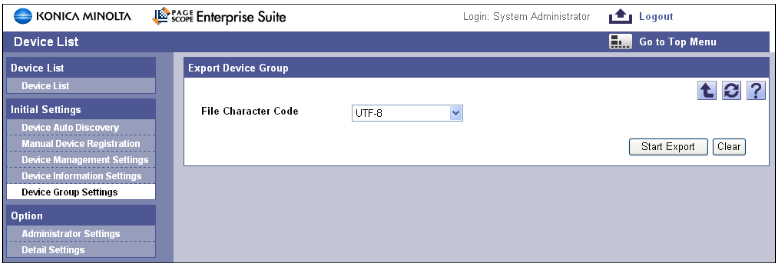
Device group information can be exported to a tab-delimited text file. Device group information can also be registered by temporarily saving the registered information or adding device group information in the correct format, then importing it.

Specify settings for the following parameters when exporting.

Function	Details
File Character Code	Select Japanese (Shift_JIS) or UTF-8 as the file character code.

1 Specify the settings necessary for exporting, and then click the [Start Export] button.

   – To clear the entered information, click the [Clear] button.



2 In the File Download dialog box, click the [Save] button.

3 Specify the location where the file is to be saved, and then click the [Save] button.

4 In the Download complete dialog box, click the [Close] button.

   The exported data is saved in the specified location.

...

Reminder

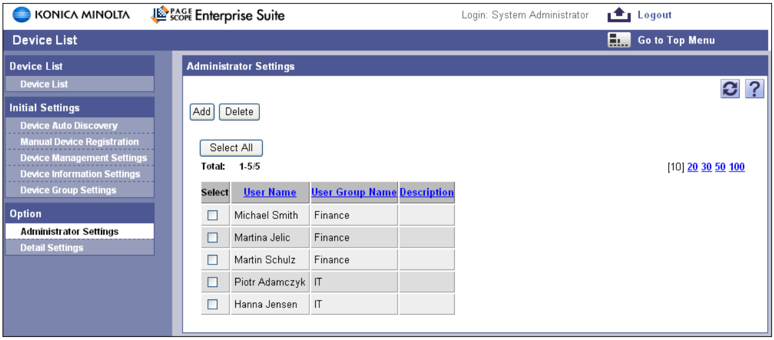
The exported data can be viewed and edited in a spreadsheet application.

For details on editing an exported file with a spreadsheet application, refer to "Editing an exported file" on page 3-35.

3.7 Administrator Settings

3.7.1 Specifying the administrator

Users who can use the device list with Administrator privileges can be selected. Settings can be specified for the following parameters.



Function	Details
Add	Click this button to register additional users with Administrator privileges.
Delete	Click this button to delete users with Administrator privileges.

Adding an administrator

1 Click the [Add] button.

2 From the [user group] drop-down list, select the user group to be displayed.

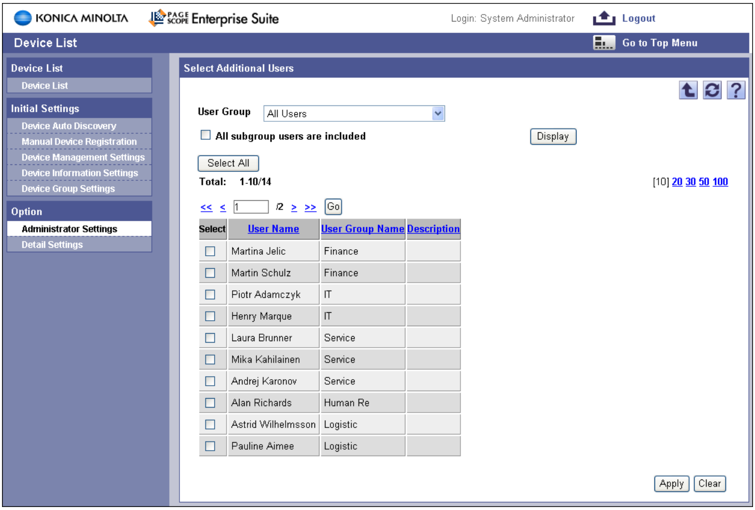
– To display all users, select "All Users".
– If master and subordinate relationships are specified in the group, select the "All subgroup users are included" check box to display all users, including those in subordinate groups.

3 Click the [Display] button.

– A list of users registered in the selected group appears.

4 From the user list, select the check box for the user to be added.

– To cancel the selected settings, click the [Clear] button.



5 Click the [Apply] button.

The selected user is added as an administrator.

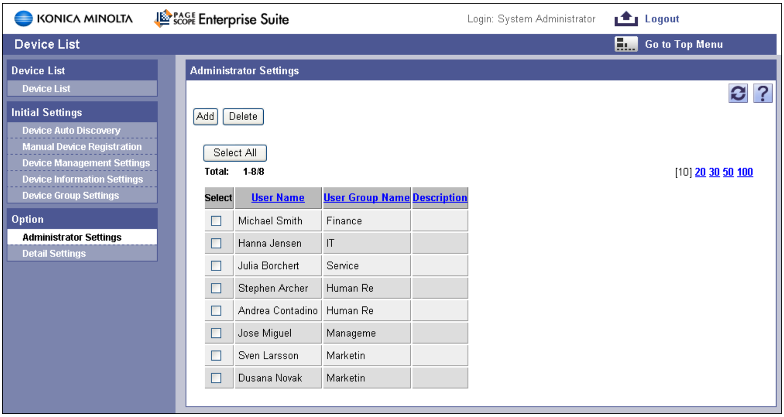
...

Reminder

Multiple users can be selected at the same time.

Deleting an administrator

1 On the Administrator Settings page, select the check box for the user to be deleted.



2 Click the [Delete] button.

3 Check the message that appears, and then click the [OK] button to delete the group.

The selected user is deleted from the list of administrators.

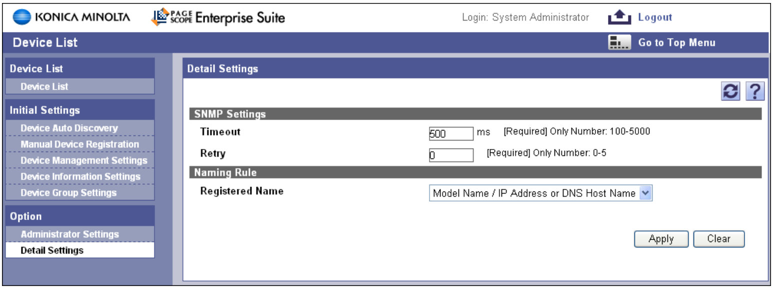
...

Reminder

Multiple users can be selected at the same time.

3.8 Detail Settings

Detailed settings can be specified. Settings can be specified for the following parameters.



<SNMP Settings>

Function	Details
Timeout	Type in the length of waiting time (in milliseconds, 1/1000 second) until a connection to the device is established.
Retry	Type in the number of times the operation is retried when the connection to the device fails.

<Naming Rules>

Function	Details
Registered Name	If a device is registered, the registered name for the device is automatically specified. Select the naming rules for the registered name.

➔ Specify the necessary settings, and then click the [Apply] button.
- To clear the entered information, click the [Clear] button.

Reminder
If the connection to the device fails or timeout occurs, increase the value for "Timeout" and verify it.

4 User List

4.1 User List

4.1.1 Available operations in the User List page

From the User List page, settings can be specified with the following.

Function	Details
[Register User] button	Click this button to register a new user.
[User Edit] button	Click this button to edit the information for a registered user.
[Delete User] button	Click this button to delete a registered user.
[Import] button	Click this button to import user information to register the users.
[Export] button	Click this button to export the information for the currently registered users and save it.
[Display Settings] button	Click this button, and then select the items to be displayed in the user list.
[User Search] button	Specify user narrowing-down criteria to search for a user on the list of registered users.

Note
The user name is not case-sensitive. For example, "USER1" and "user1" are considered to be the same user name.

4.1.2 Viewing the user list

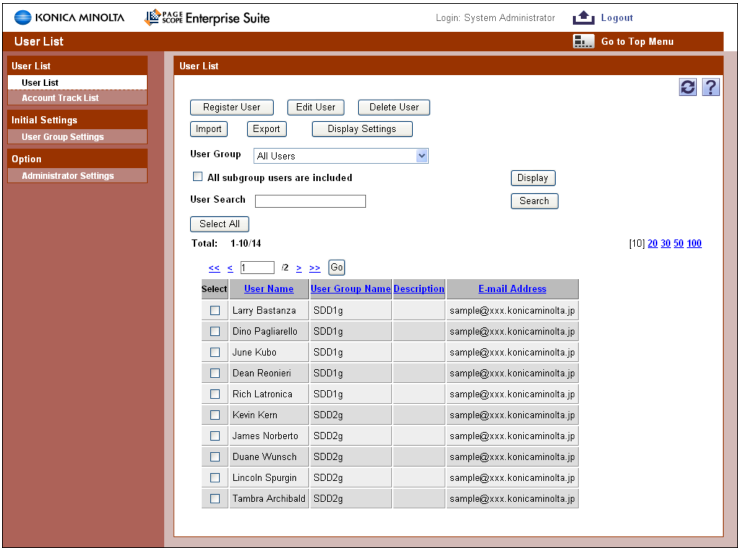
The list of registered users can be viewed.

1 From the [User Group] drop-down list, select the user group to be displayed.

- To display all users, select "All Users".
- If master and subordinate relationships are specified in the group, select the "All subgroup users are included" check box to display all users, including those in subordinate groups.

2 Click the [Display] button.

A list of users registered in the selected group appears.



4.1.3 Specifying display settings for the user list

The items to be displayed or hidden in the user list can be selected. Settings can be specified for the following parameters.

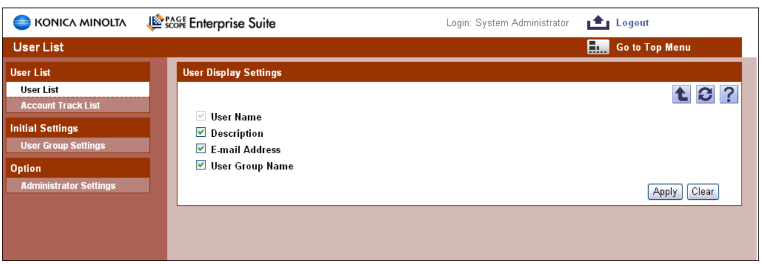
- User Name
- Description
- E-mail Address
- User Group Name

...

Reminder

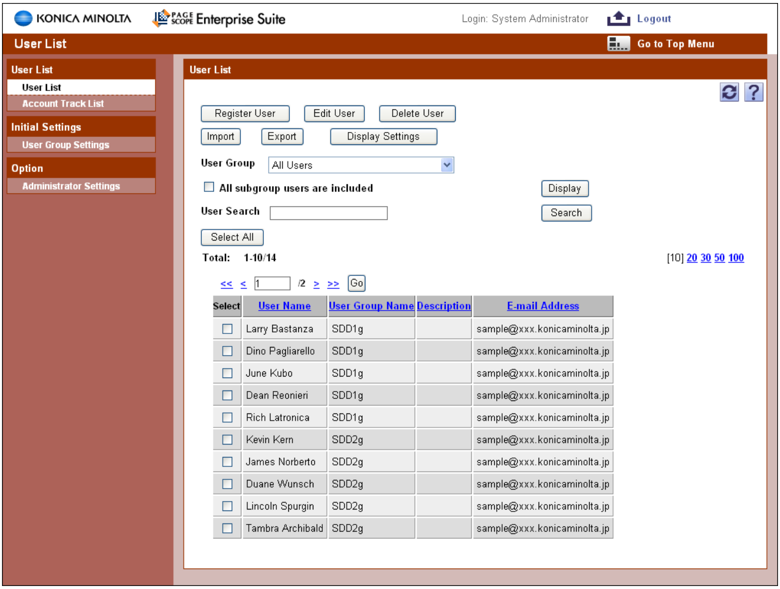
The user name must be displayed.

➔ Select the check box for the items to be displayed, and then click the [Apply] button.



4.1.4 Searching for a user

User narrowing-down criteria to search for a user can be specified on the list of registered users.



1 From the [User Group] drop-down list, select the user group to be displayed.

- To display all users, select "All Users".
- If master and subordinate relationships are specified in the group, select the "All subgroup users are included" check box to display all users, including those in subordinate groups.

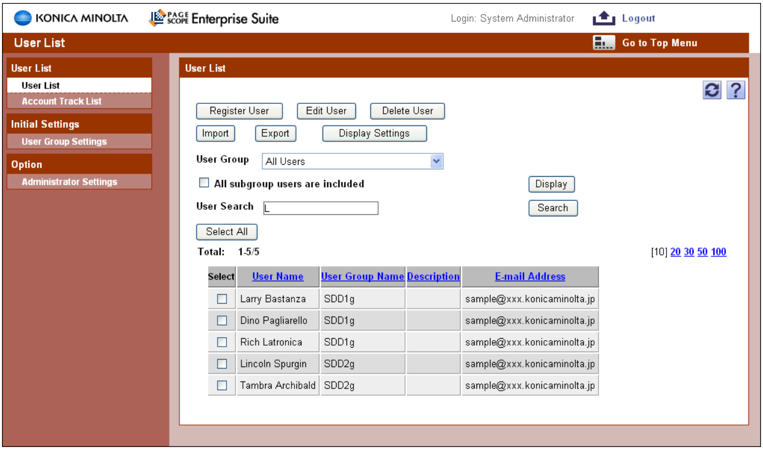
2 Click the [Display] button.

A list of users registered in the selected group appears.

3 For [User Search], type in the search string.

4 Click the [Search] button.

The user list displays only users whose user names contain the search string.



...

Reminder

The user list does not display users even if "Description", "User Group Name" or "E-mail Address" contains the search string.

4.1.5 Registering a new user

New users can be registered. The following information is required for registration.

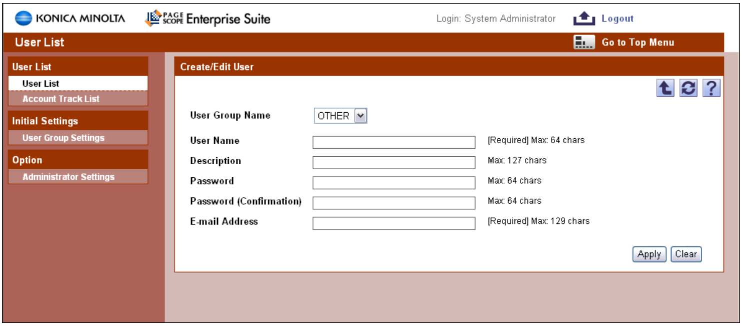
Function	Details
User Group Name	From the drop-down list, select the group to belong to. If the group does not exist, register the group before starting this operation. For details on registering groups, refer to "Registering and editing groups" on page 4-31.
User Name	Type in a user name.
Description	Type in a description of the user.
Password	Type in the password necessary for logging on to the Server for PageScope Enterprise Suite. For confirmation, type in the password again.
E-mail Address	Type in the E-mail address of the user.

...

Note

Special single-byte characters are treated as double-byte characters.

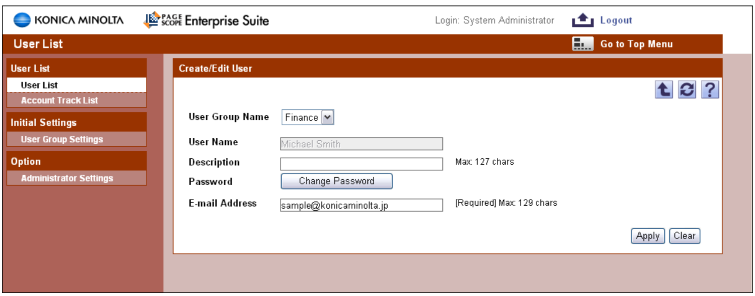
➔ Specify the settings necessary for registering the user, and then click the [Apply] button.
   – To clear the entered information, click the [Clear] button.



4.1.6 Editing user information

The information for registered users can be viewed and edited.

➔ Specify the settings for the user information to be edited, and then click the [Apply] button.
   – To clear the entered information, click the [Clear] button.
   – To change the password, click the [Change Password] button.



...

Reminder

For details on the settings, refer to "Registering a new user" on page 4-4.

4.1.7 Deleting a user

The information for the selected user can be deleted.

Note
When this operation is performed, all data for the user is deleted from the database.

1 In the User List page, select the user to be deleted, and then click the [Delete User] button.

2 Check the message that appears, and then click the [OK] button to delete the data.

The user is deleted.

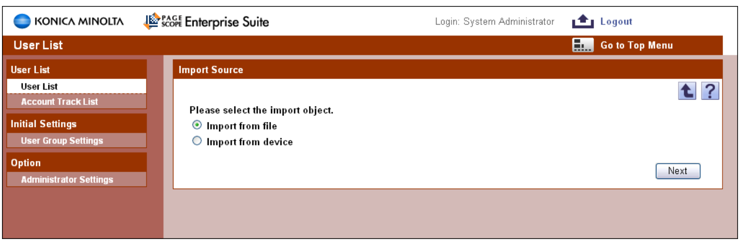
4.1.8 Importing data

The data for the user information can be imported.

The data can be imported by selecting one of the following options.

Function	Details
Import from file	Select this option to import user group and user information from a specified file.
Import from a device	Select this option to import user information from a specified device.

➔ Select the import method, and then click the [Next] button.



4.1.9 Importing from a file

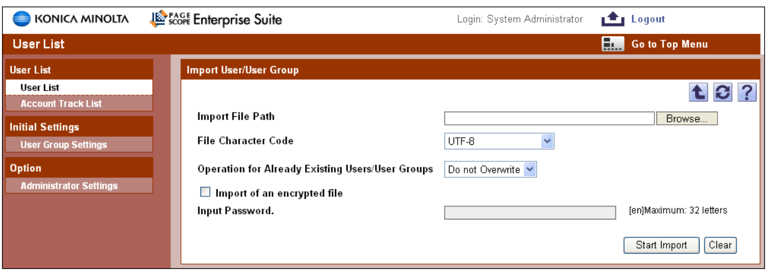
User information and user group data previously saved in a tab-delimited text file can be imported to register the users. Specify settings for the following parameters when importing.

Note

It is not possible to import more than 1000 data items. The number of data items must not exceed 1,000.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
File Character Code	Select Japanese (Shift_JIS) or UTF-8 as the file character code.
Operation for Already Existing Users/User Groups	Select whether or not to overwrite the information in "User Group Name", "Description", "Password" and "E-mail Address" if another user has already been registered with the same name as an imported user. Also, select whether or not to overwrite the information in "Parent User Group Name" and "Description" if there is already an imported user group with the same name.
Import of an encrypted file	Import an encrypted file. Select the [Import of an encrypted file] check box, and then type in the password specified when exporting for [Password]. For details on encrypting, then exporting an encrypted file, refer to "Exporting data" on page 4-16.

➔ Specify the settings necessary for importing, and then click the [Start Import] button.
 – To clear the entered information, click the [Clear] button.



The result of the import operation appears.

Note

Incorrect information may be imported if the entry in the "File Character Code" or "Password" box is not correct.

Reminder

For details on the result page, refer to "Checking the import result" on page 4-11.

4.1.10 Editing an exported file

Edit an exported file with a spreadsheet application. The following procedure demonstrates how to edit an exported file using Microsoft Excel.

1 Open Microsoft Excel.

2 Select [Open].

3 Select your desired exported file.

- Select "All Files" or "Text Files" from the "Files of type" box.

The Text Import Wizard appears.

4 Specify the data type that best describes your data, and then click the [Next] button.

- Under "Original data type", select "Delimited - Characters such as commas or tabs separate each field".
- Select 1 for "Start import at row".
- Select the character code set for exporting.

5 Specify the field delimiter and then click the [Next] button.

- Select the "Tab" check box only in the "Delimiters" section.
- Clear the "Treat consecutive delimiters as one" check box.
- Select """ from the "Text qualifier" box.

6 Specify the column data format, and then click the [Finish] button.

- Highlight the desired column in the "Data preview" and change the "Column data format" to "Text".
- Change the data format for all columns to "Text".

The exported file opens.

7 Edit the file.

8 Save the file.

– To save the file as a new file, select "Text (Tab delimited)" from the "Save file as type" box.

4.1.11 Creating an import file

An import file can be created using a spreadsheet application.

✎...

Reminder

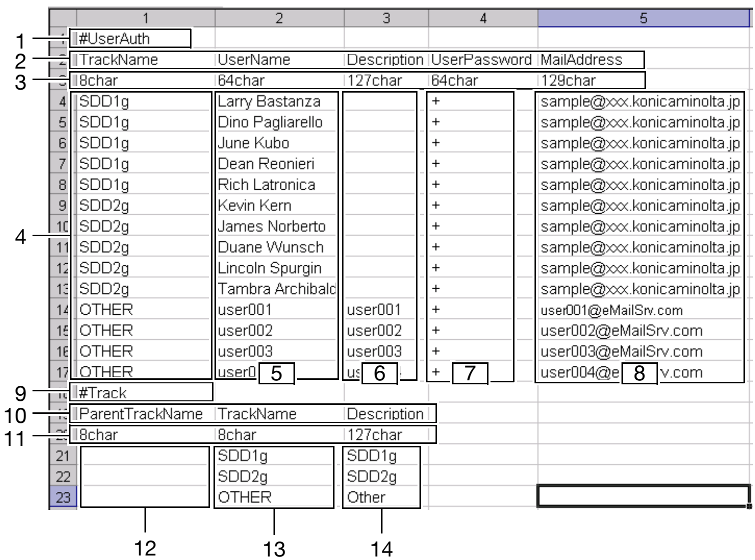
The import file can also be created by clicking the [Export] button to export a tab-delimited text file, then entering the data.

For details on editing an exported file with a spreadsheet application, refer to "Editing an exported file" on page 4-8.

1 Open a data file in a spreadsheet application.

2 Create data and then save it by selecting "Save As".

– To save the file as a new file, select "Text (Tab delimited)" from the "Save file as type" box.



No.	Required	Function	Details
1	○	#UserAuth	Type in the first row.
2	○	(Item titles)	In the second row, type "TrackName", "UserName", "Description", "UserPassword", and "MailAddress".
3	○	(Number of characters)	Type in the number of characters for each item. From the left, type in "8char", "64char", "127char", "64char", and "129char".
4		User Group Name	Type in the name of the group that the user belongs to.
5	○	User Name	Type in the user name.
6		Description	Type in a description of the user.
7		Password	Type in the password necessary for logging on. **Note** *All files exported with [Export] have a password of "+". To change the password, remove "+" and type in a new password.* *If you do not want to change the password, leave it as it is.* *To add a new password, a plus sign ("+") cannot be used.*
8		E-mail Address	To use e-mail functions, type in the e-mail address.
9	○	#Track	Indicates the user group data.
10	○	(Item titles)	From the left, type "ParentTrackName", "TrackName" and "Description" as the item titles.
11	○	(Number of characters)	Type in the number of characters for each item. From the left, type in "8char", "8char" and "127char".
12		Parent User Group Name	Type in the name of the parent user group.
13	○	User Group Name	Type in a user group name.
14		Description	Type in a description of the user group.

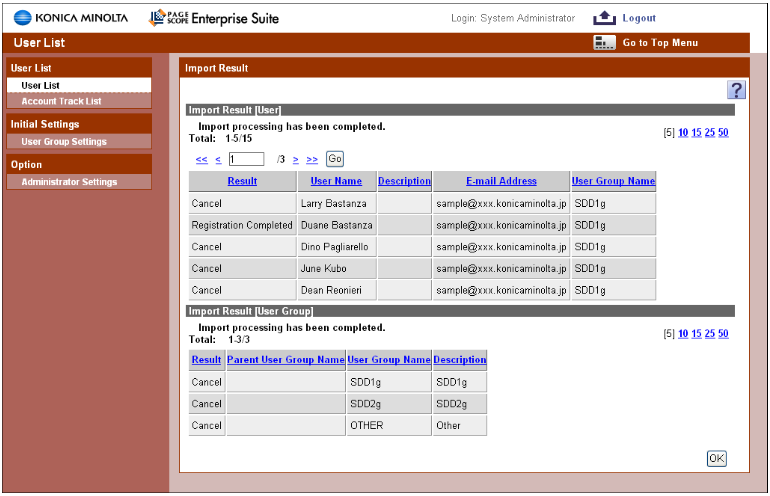
Note

The three rows starting with "#UserAuth" and the three rows starting with "#Track" contain basic information for the data. Do not change the data in these rows. Enter the data for the user by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

4.1.12 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



<Import Result [User]>

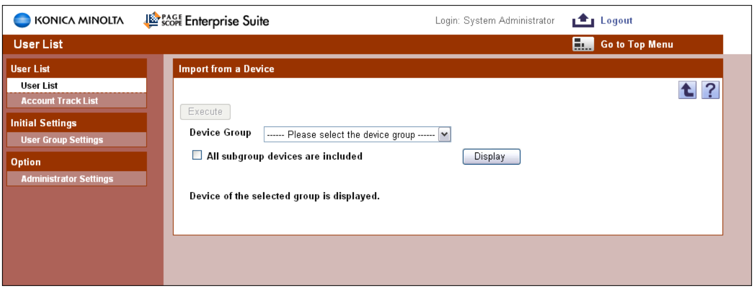
Function	Details
Result	Displays whether the registration operation was successfully completed from importing. The following results are displayed. • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Users/User Groups" and the information for "Description", "E-mail Address", "User Group Name" and "Password" for the existing user having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Users/User Groups" and no processing is performed since the same user name already exists. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
User Name	Displays the user name.
Description	Displays the description of the user.
E-mail Address	Displays the e-mail address.
User Group Name	Displays the name of the group that the user belongs to.

<Import Result [User Group]>

Function	Details
Result	Displays whether the registration operation was successfully completed from importing. The following results are displayed. • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Users/User Groups" and the information for "Parent User Group Name" and "Description" for the existing user group having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Users/User Groups" and no processing is performed since the same user group name already exists. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Parent User Group Name	Displays the name of the parent user group.
User Group Name	Displays the name of the user group.
Description	Displays the description of the group.

4.1.13 Importing from a device

User information can be imported from a specified device.



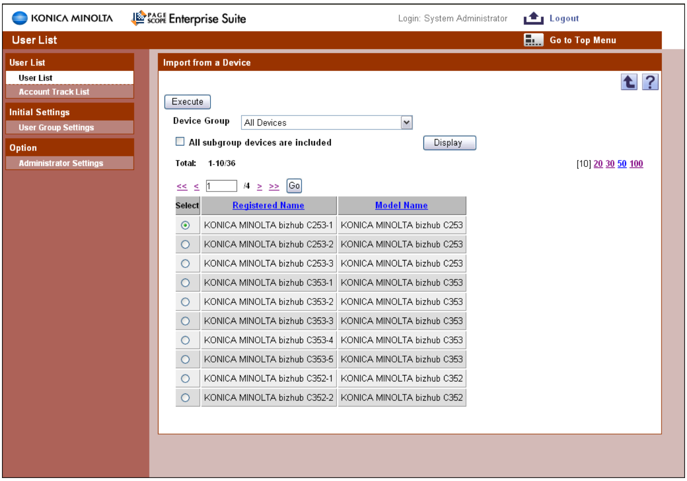
Displaying the list of devices to be imported

Display the device list, and then select a device to be imported.

1. From the [Device Group] drop-down list, select the device group to be displayed.
   - To display all devices, select "All Devices".
   - If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.
   - The drop-down list does not display any devices that cannot be imported.

2. Click the [Display] button.

   A list of devices registered in the selected group appears.



3. Select a device to be imported, and then click the [Start] button.

   Connecting to the device is attempted. If the connection is successfully completed, the User Selection page appears.

...

Reminder

If the connection fails, check the following: If the setting is incorrect, a part of the information may be imported.
Device power
Device settings (FTP/HTTP/WebDAV)
Settings on the Device Information Settings page of the Device List

...
Note
Use a global address for IPv6 address.

Some functions may not be available if any address other than the global address is used.

Selecting the user to be imported

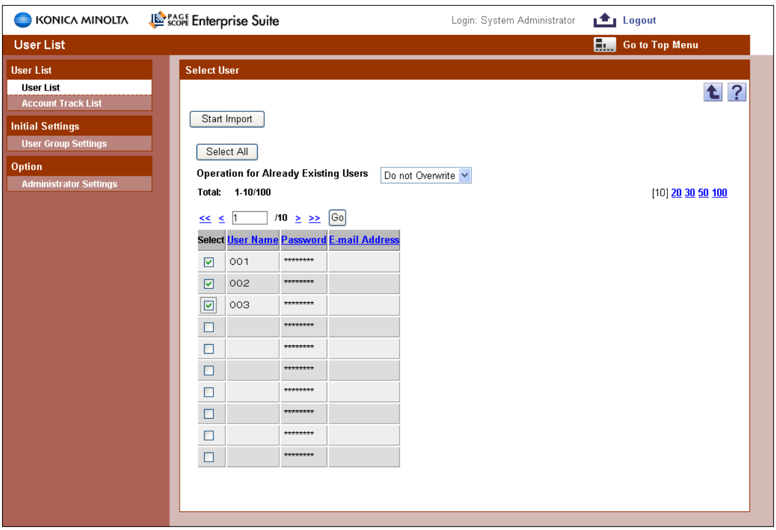
A list of user information registered in the specified devices appears. The user to be imported can be selected, and then importing can be started.

Specify settings for the following parameters when importing.

Function	Details
Operation for Already Existing Users	Select whether or not to overwrite the information in "Password" and "E-mail Address" if another user has already been registered with the same name as an imported user.

1 Select the user to be imported.

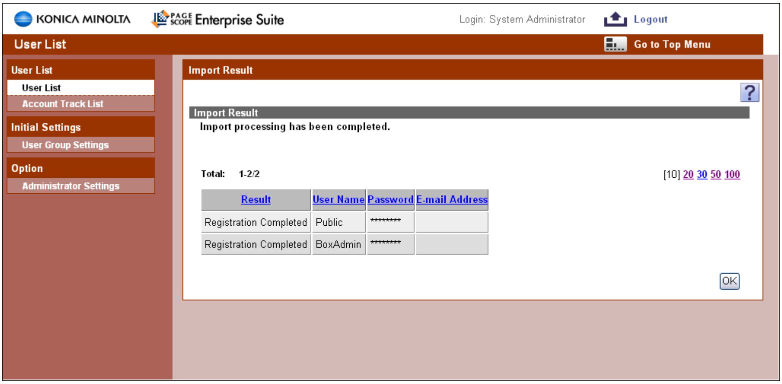
2 Specify the settings necessary for importing, and then click the [Start Import] button.



The result of the import operation appears.

4.1.14 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



<Import Result>

Function	Details
Result	Displays whether the registration operation was successfully completed from importing. The following results are displayed. • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Existing Users" and the information for "Description", "E-mail Address", "User Group Name" and "Password" for the existing user having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Existing Users" and no processing is performed since the same user name already exists. • Error: Appears when registration has failed due to incorrect contents of the file.
User Name	Displays the user name.
Password	Displays the password. Eight asterisks (*) are displayed for the password.
E-mail Address	Displays the e-mail address.

4.1.15 Exporting data

The information for users and user groups can be exported to a tab-delimited text file. User information can also be registered by temporarily saving the registered information or adding user information in the correct format, then importing it.

Specify settings for the following parameters when exporting.

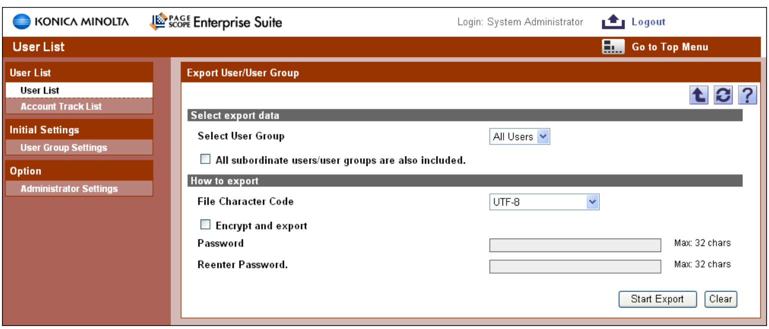
Function	Details
File Character Code	Select Japanese (Shift_JIS) or UTF-8 as the file character code.
Encrypt and export	Select whether or not to encrypt the file to be exported. Select the [Encrypt and export] check box, and then type in the password for [Password]. For confirmation, type in the password again. When importing the encrypted file, this password must be typed in correctly.

1 From the [User Group] drop-down list, select the user group to be exported.

   – To export all users, select "All Users".
   – If master and subordinate relationships are specified in the group, select the "All subordinate users are also included." check box to export all users, including those in subordinate groups.

2 Specify the settings necessary for exporting, and then click the [Start Export] button.

   – To clear the entered information, click the [Clear] button.



3 In the File Download dialog box, click the [Save] button.

4 Specify the location where the file is to be saved, and then click the [Save] button.

5 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.

...

Reminder

The exported data can be viewed and edited in a spreadsheet application.

For details on editing an exported file with a spreadsheet application, refer to "Editing an exported file" on page 4-8.

Note that the file encrypted, then exported cannot be edited.

The file encrypted, then exported are represented in bin format (.bin).*

4.2 Account Track List

4.2.1 Available operations in the Account Track List page

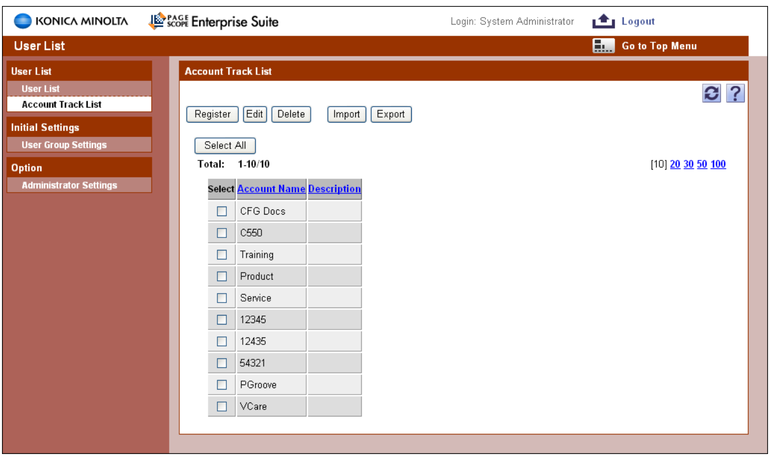
From the Account Track List page, settings can be specified with the following.

Function	Details
[Register] button	Click this button to register a new account track.
[Edit] button	Click this button to edit the information for a registered account track.
[Delete] button	Click this button to delete a registered account track.
[Import] button	Click this button to import account tracks information to register the account tracks.
[Export] button	Click this button to export the information for the currently registered account tracks and save it.

Note

For the account name, specify the same account name registered from the device control panel.

The account name is not case-sensitive. For example, "PROJECT1" and "project1" are considered to be the same account name.

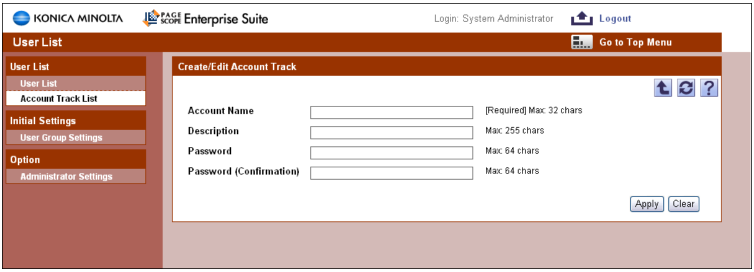


4.2.2 Registering a new account track

A new account track can be registered. The following information is required for registration.

Function	Details
Account Name	Type in an account name.
Description	Type in a description of the account track.
Password	Type in the password. For confirmation, type in the password again.

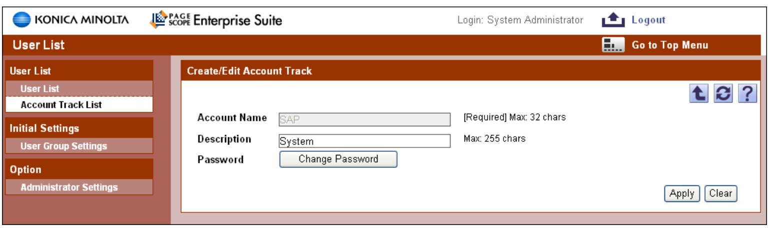
➔ Specify the settings necessary for registering the account track, and then click the [Apply] button.
  – To clear the entered information, click the [Clear] button.



4.2.3 Editing an account track

The information for registered account tracks can be viewed and edited.

➔ Specify the settings for the account track information to be edited, and then click the [Apply] button.
  – To clear the entered information, click the [Clear] button.
  – To change the password, click the [Change Password] button.



Reminder

For details on the settings, refer to "Registering a new account track" on page 4-19.

4.2.4 Deleting an account track

The selected account track information can be deleted.

1 In the Account Track List page, select an account track to be deleted, and then click the [Delete] button.

2 Check the message that appears, and then click the [OK] button to delete the data.

The account track is deleted.

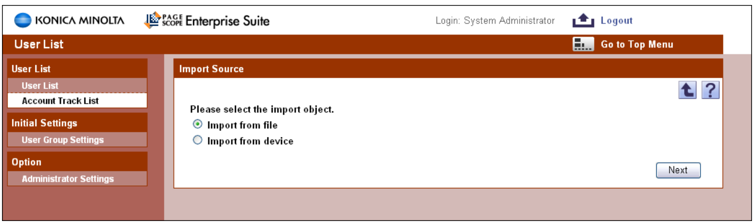
4.2.5 Importing data

The data for the account track information can be imported.

The data can be imported by selecting one of the following options.

Function	Details
Import from file	Select this option to import account track information from a specified file.
Import from a device	Select this option to import account track information from a specified device.

➔ Select the import method, and then click the [Next] button.



4.2.6 Importing from a file

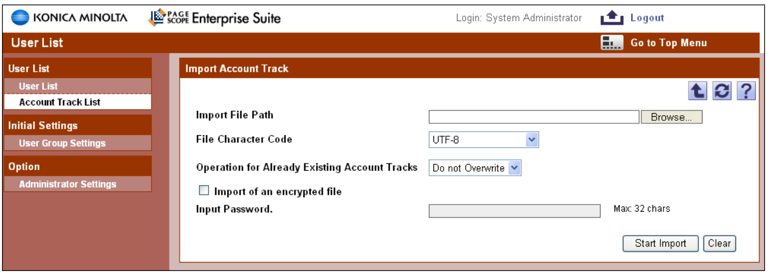
Account track information data previously saved in a tab-delimited text file can be imported to register the account tracks. Specify settings for the following parameters when importing.

Note

It is not possible to import more than 1000 data items. The number of data items must not exceed 1,000.

Function	Details
Import File Path	Type in the path to the file to be imported. The file path can also be specified by clicking the [Browse] button.
File Character Code	Select Japanese (Shift_JIS) or UTF-8 as the file character code.
Operation for Already Existing Account Tracks	Select whether or not to overwrite the information in "Description" and "Password" if another account track has already been registered with the same name as an imported account track.
Import of an encrypted file	Import an encrypted file. Select the [Import of an encrypted file] check box, and then type in the password specified when exporting for [Password]. For details on encrypting, then exporting an encrypted file, refer to "Exporting data" on page 4-16.

➔ Specify the settings necessary for importing, and then click the [Start Import] button.
- To clear the entered information, click the [Clear] button.



The result of the import operation appears.

Note

Incorrect information may be imported if the entry in the "File Character Code" or "Password" box is not correct.

Reminder

For details on the result page, refer to "Checking the import result" on page 4-24.

4.2.7 Editing an exported file

Edit an exported file with a spreadsheet application. The following procedure demonstrates how to edit an exported file using Microsoft Excel.

1 Open Microsoft Excel.

2 Select [Open].

3 Select your desired exported file.

– Select "All Files" or "Text Files" from the "Files of type" box.

The Text Import Wizard appears.

4 Specify the data type that best describes your data, and then click the [Next] button.

– Under "Original data type", select "Delimited - Characters such as commas or tabs separate each field".
– Select 1 for "Start import at row".
– Select the character code set for exporting.

5 Specify the field delimiter and then click the [Next] button.

– Select the "Tab" check box only in the "Delimiters" section.
– Clear the "Treat consecutive delimiters as one" check box.
– Select """ from the "Text qualifier" box.

6 Specify the column data format, and then click the [Finish] button.

– Highlight the desired column in the "Data preview" and change the "Column data format" to "Text".
– Change the data format for all columns to "Text".

The exported file opens.

7 Edit the file.

8 Save the file.

– To save the file as a new file, select "Text (Tab delimited)" from the "Save file as type" box.

4.2.8 Creating an import file

An import file can be created using a spreadsheet application.

...

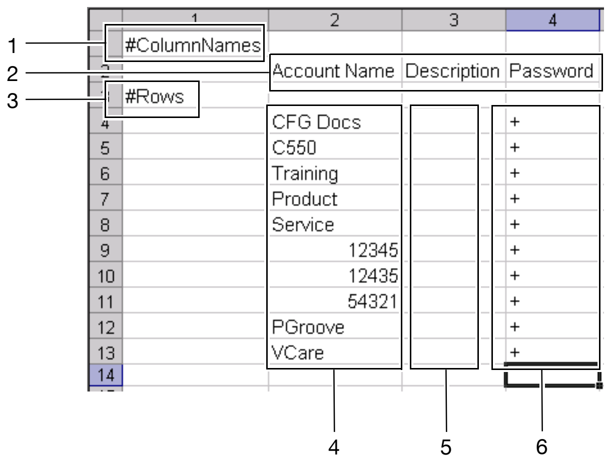
Reminder

The import file can also be created by clicking the [Export] button to export a tab-delimited text file, then entering the data. For details on editing an exported file with a spreadsheet application, refer to "Editing an exported file" on page 4-22.

1 Open a data file in a spreadsheet application.

2 Create data and then save it by selecting "Save As".

- To save the file as a new file, select "Text (Tab delimited)" from the "Save file as type" box.



No.	Required	Function	Details
1	○	#ColumnNames	Type in the first row.
2	○	(Item titles)	Starting with the second column of the second row, type in "Account Name", "Description" and "Password". Do not type anything in the first column.
3	○	#Rows	Type in the third row.
4	○	Account Name	Type in an account name.
5		Description	Type in the description of the account track.

No.	Required	Function	Details
6		Password	Type in the account track password. **Note** *All files exported with [Export] have a password of "+". To change the password, remove "+" and type in a new password.* *If you do not want to change the password, leave it as it is.* *To add a new password, a plus sign ("+") cannot be used.*

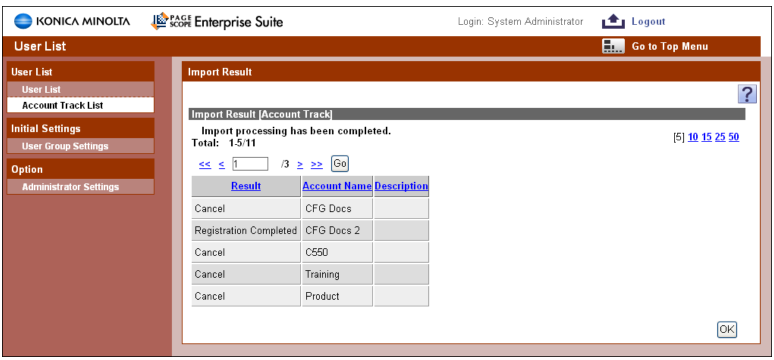
Note

The first three rows contain basic information for the data. Do not change the data in these rows. Enter the detailed account track data by starting with the fourth row.

Be sure to enter data for the items marked as "Required".

4.2.9 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



<Import Result [Account Track]>

Function	Details
Result	Displays whether the registration operation was successfully completed from importing. The following results are displayed. • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Account Tracks" and the information for "Description" and "Password" for the existing account track having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Account Tracks" and no processing is performed since the same account name already exists. • Error: Registration was failed due to incorrect contents of the file. Recheck the contents of the import file.
Account Name	Displays the account name.
Description	Displays the description of the account track.

4.2.10 Importing from a device

Account track information can be imported from a specified device.

Displaying the list of devices to be imported

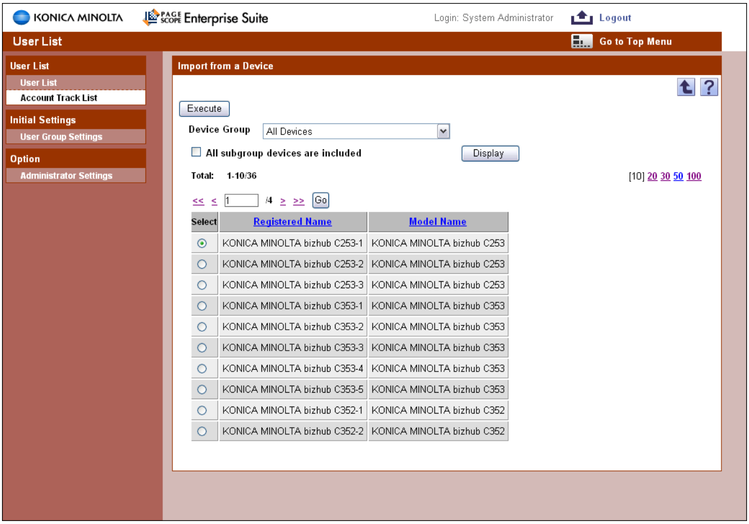
Display the device list, and then select a device to be imported.

1 From the [Device Group] drop-down list, select the device group to be displayed.

- To display all devices, select "All Devices".
- If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.
- The drop-down list does not display any devices that cannot be imported.

2 Click the [Display] button.

A list of devices registered in the selected group appears.



3 Select a device to be imported, and then click the [Start] button.

Connecting to the device is attempted. If the connection is successfully completed, the Account Track Selection page appears.

...

Reminder

If the connection fails, check the following: If the setting is incorrect, a part of the information may be imported:
Device power
Device settings (FTP/HTTP/WebDAV)
Settings on the Device Information Settings page of the Device List

...

Note

Use a global address for IPv6 address.

Some functions may not be available if any address other than the global address is used.

Selecting the account track to be imported

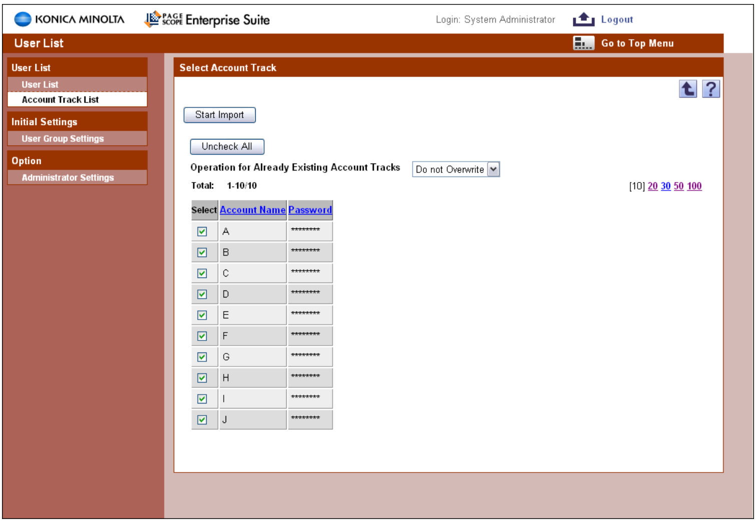
A list of account track information registered in the specified devices appears. The account track to be imported can be selected, and then importing can be started.

Specify settings for the following parameters when importing.

Function	Details
Operation for Already Account Tracks	Select whether or not to overwrite the information in "Password" if another account track has already been registered with the same name as an imported account.

1 Select the account track to be imported.

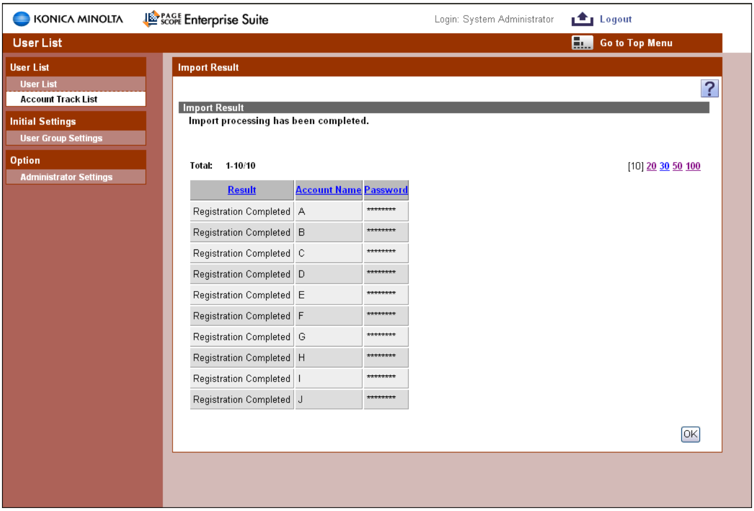
2 Specify the settings necessary for importing, and then click the [Start Import] button.



The result of the import operation appears.

4.2.11 Checking the import result

The results of the import operation can be viewed. Check the details, and then click the [OK] button.



<Import Result>

Function	Details
Result	Displays whether the registration operation was successfully completed from importing. The following results are displayed. • Registration Completed: The new registration was successfully completed. • Update: Appears when "Overwrite" is specified for "Operation for Already Account Tracks" and the information for "Description" and "Password" for the existing account track having the same name is successfully updated. • Cancel: Appears when "Do not Overwrite" is specified for "Operation for Already Account Tracks" and no processing is performed since the same account name already exists. • Error: Appears when registration has failed due to incorrect contents.
Account Name	Displays the account name.
Password	Displays the password. Eight asterisks (*) are displayed for the password.

4.2.12 Exporting data

The account track information can be exported to a tab-delimited text file. Account track information can also be registered by temporarily saving the registered information or adding account track information in the correct format, then importing it.

Specify settings for the following parameters when exporting.

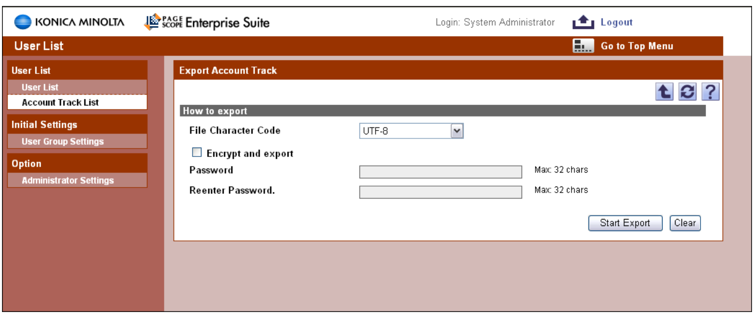
Function	Details
File Character Code	Select Japanese (Shift_JIS) or UTF-8 as the file character code.
Encrypt and export	Select whether or not to encrypt the file to be exported. Select the [Encrypt and export] check box, and then type in the password for [Password]. For confirmation, type in the password again. When importing the encrypted file, this password must be typed in correctly.

1 From the [Select Account Track] drop-down list, select the account track to be exported.

- To export all account tracks, select "All Account Track".
- The "Select Account Track" drop-down list appears only when there are more than 1,000 account tracks.

2 Specify the settings necessary for exporting, and then click the [Start Export] button.

- To clear the entered information, click the [Clear] button.



3 In the File Download dialog box, click the [Save] button.

4 Specify the location where the file is to be saved, and then click the [Save] button.

5 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.

✎...

Reminder

The exported data can be viewed and edited in a spreadsheet application.

For details on editing an exported file with a spreadsheet application, refer to "Editing an exported file" on page 4-22.

Note that the file encrypted, then exported cannot be edited.

The file encrypted, then exported are represented in bin format (.bin).*

4.3 User Group Settings

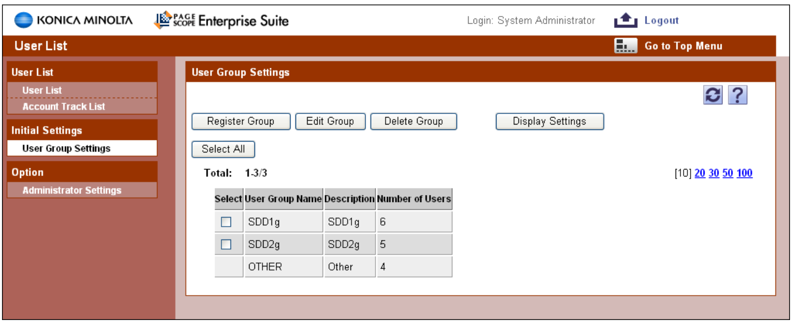
4.3.1 Registering and editing groups

When registering and editing groups, settings for the following parameters can be specified.

Function	Details
User Group Name	Type in a user group name.
Description	Type in a description of the group.
Parent Group Name	To create master/subordinate relationships in the group, select the parent group. If master/subordinate relationships are not to be created, select "(Root)".

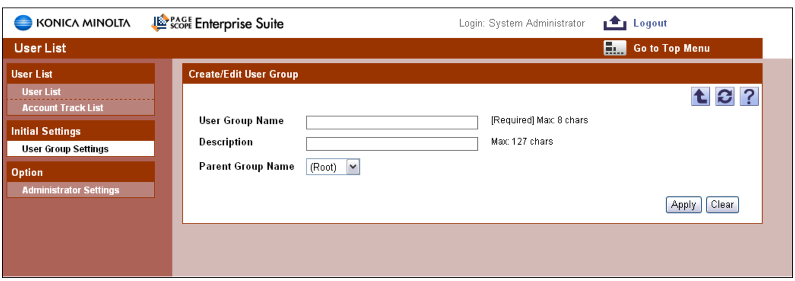
1 To register a new group, click the [Register Group] button.

- To edit a group, select the group, and then click the [Edit Group] button



2 Specify the necessary settings, and then click the [Apply] button.

- To clear the entered information, click the [Clear] button.
- When editing a group, the entry in the "User Group Name" cannot be changed.



Specifying display settings for the group list

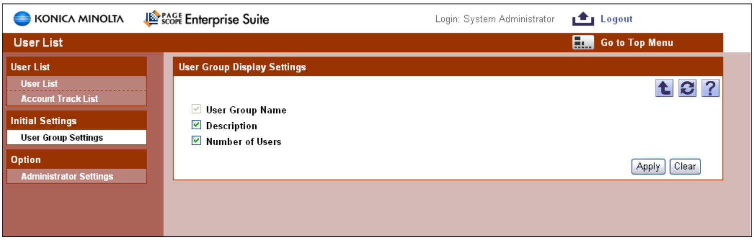
The items to be displayed or hidden in the group list can be selected. Settings can be specified for the following parameters.

- User Group Name
- Description
- Number of Users

...

Reminder
The user group name must be displayed.

➔ Select the check box for the items to be displayed, and then click the [Apply] button.

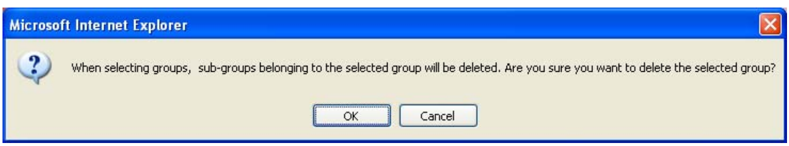


4.3.2 Deleting a group

A group can be deleted. All groups belonging to the group to be deleted will also be deleted.

1 In the User Group Settings page, select the group to be deleted, and then click the [Delete Group] button.

2 Check the message that appears, and then click the [OK] button to delete the data.



The group is deleted.

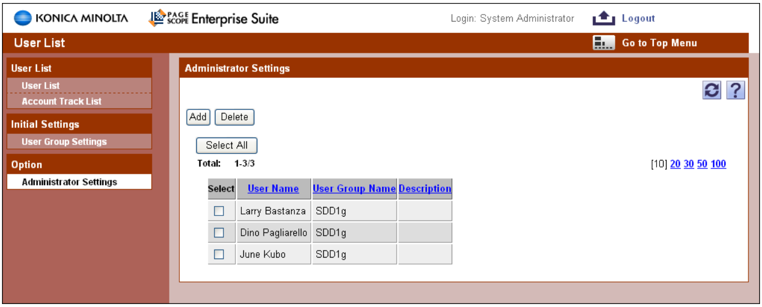
...

Reminder
The data for a user belonging to a group will not be deleted.

4.4 Administrator Settings

4.4.1 Specifying the administrator

Users who can use the user list with Administrator privileges can be selected. Settings can be specified for the following parameters.



Function	Details
[Add] button	Click this button to register additional users with Administrator privileges.
[Delete] button	Click this button to delete users with Administrator privileges.

4.4.2 Adding an administrator

1 Click the [Add] button.

2 From the [User Group] drop-down list, select the user group to be displayed.

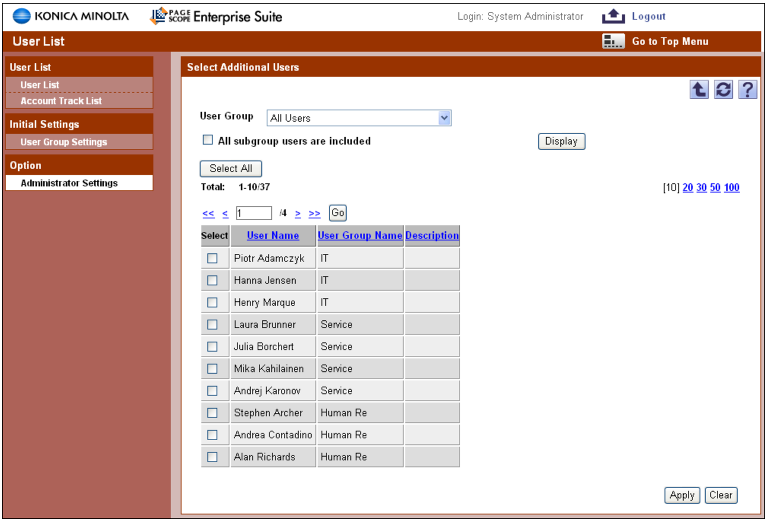
– To display all users, select "All Users".
– If master and subordinate relationships are specified in the group, select the "All subgroup users are included" check box to display all users, including those in subordinate groups.

3 Click the [Display] button.

A list of users registered in the selected group appears.

4 From the user list, select the check box for the user to be added.

– To cancel the selected settings, click the [Clear] button.



5 Click the [Register] button.

The selected user is registered as an administrator.

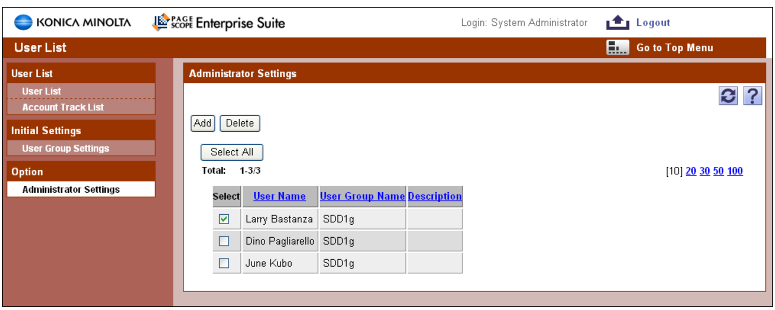
...

Reminder

Multiple users can be selected at the same time.

4.4.3 Deleting an administrator

1 On the Administrator Settings page, select the check box for the user to be deleted.



2 Click the [Delete] button.

3 Check the message that appears, and then click the [OK] button to delete the data.

The selected user is deleted from the list of administrators.

...

Reminder

Multiple users can be selected at the same time.

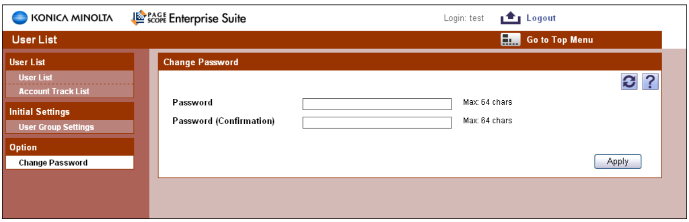
4.4.4 Changing a password

The password for registered users can be changed.

...

Reminder

This option appears only when logged on as a registered user.



When changing a password, settings for the following parameters can be specified.

Function	Details
Password	Type in a new password.
Password (Confirmation)	For confirmation, type in the password again.

5 Counter Reader

5.1 Counter Information

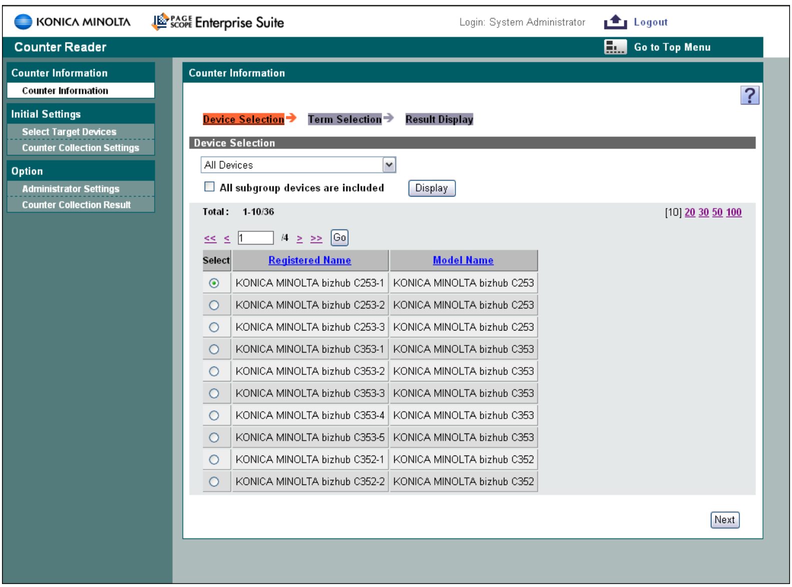
5.1.1 Selecting the device

Select the device of which you want to view the counter information.

1. From the [Device Group] drop-down list, select the device group to be displayed.
   - To display all devices, select "All Devices".
   - If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.

2. Click the [Display] button.

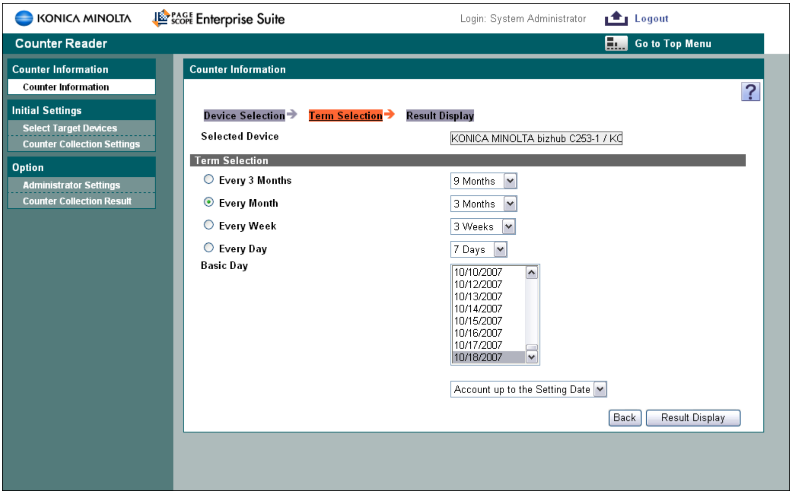
   A list of devices registered in the selected group appears.



3. Select the device of which you want to view the counter information, and click the [Next] button.

5.1.2 Selecting a time period

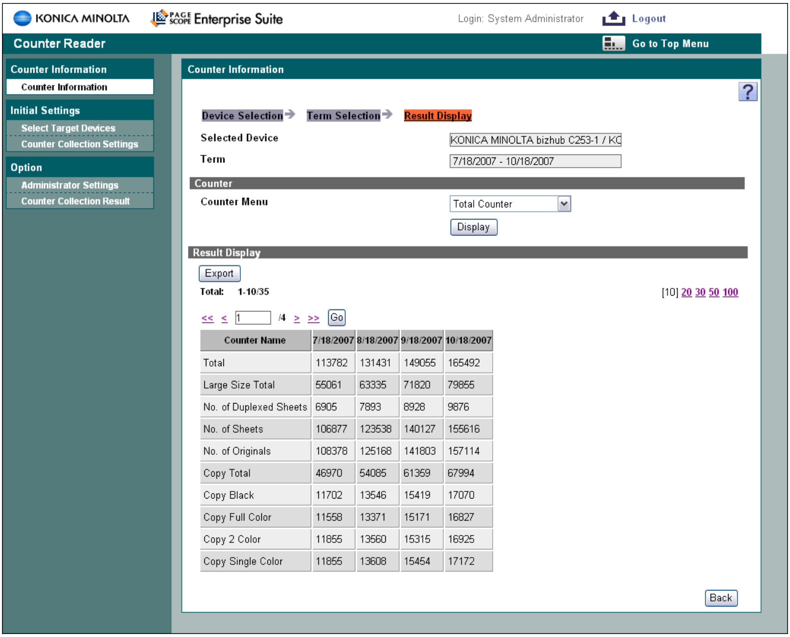
Select a time period of which you want to view the counter information.



➔ Select the pattern for the time period and the reference date.
- Select "Every 3 Months", "Every Month", "Every Week" or "Every Day" as the accounting period, and then select the details for the time period.
- Select a date in the "Basic Day" list, and then select whether the data is totaled "Account up to the Setting Date" or "Account from the Setting Date".
- In the "Basic Day" list, only the dates of which the counter information was collected successfully from the devices are displayed. If counter information was not collected from the devices due to timeout or error, those dates are not displayed.

5.1.3 Displaying the result

Displays the counter information.



Function	Details
Device	Displays the registered name of the selected device.
Term	Displays the selected time period.
Date	Displays the selected date.
User	Displays the selected user.
Account Track	Displays the selected account.

Note

Depending on the counter type selected in [Counter menu], some items may not be displayed.

<Counter>

By selecting the counter type, the displayed results can be changed. Select the counter type, and then click the [Display] button.

Function		Details
Counter menu		Select the counter type to be displayed.
	Total counter	Displays the total counter.
	Size counter	Displays the counter by each paper size.
	User counter	Displays the counter by each user. Clicking the icon next to the user name displays the counter information of the user in detail. Also, clicking the icon next to the date displays the counter information of the date in detail.
	Account track counter	Displays the counter by each account track. Clicking the icon next to the account name displays the counter information of the account track in detail. Also, clicking the icon next to the date displays the counter information of the date in detail.

<Displaying the result>

The counter information is displayed according to the specified settings.

Function	Details
[Export] button	Exports the counter information data.

Export

The counter information data can be exported to and saved in a file of the specified format.

Specify settings for the following parameters when exporting.

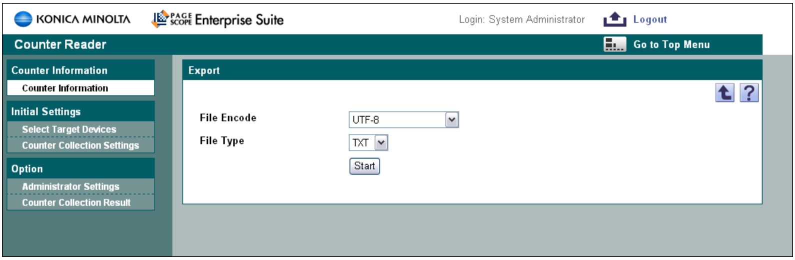
Function	Description
File Encode	Select Japanese (Shift_JIS) or UTF-8 as the file character code.
File Type	Select the format (TXT or XML) of the file that is to be saved.

...

Reminder

If "XML" is selected as the file format, set File Encode to "UTF-8".

1 Specify the settings necessary for exporting, and then click the [Start] button.



2 In the File Download dialog box, click the [Save] button.

3 Specify the location where the file is to be saved, and then click the [Save] button.

4 In the Download complete dialog box, click the [Close] button.

The exported data is saved in the specified location.

Reminder

If a file is saved in an XML format, its contents cannot be viewed and edited in a spreadsheet application.

5.1.4 Editing an exported file

Edit an exported file with a spreadsheet application. The following procedure describes how to edit an exported file using, for example, Microsoft Excel.

1 Open Microsoft Excel.

2 Select [Open].

3 Select your desired exported file.

– Select "All Files" or "Text Files" in "Files of type".

The Text Import Wizard appears.

4 Specify the Data Type that best describes your data, and then click the [Next] button.

– Under "Original data type", select "Delimited - Characters such as commas or tabs separate each field".
– Select 1 for "Start Import at Row".
– Select the character code set for exporting.

5 Specify the text delimiter that separates the fields, and then click the [Next] button.

- Select "Tab" from the "Delimiters" field.
- Clear the "Treat consecutive delimiters as one" check box.
- Select ""(double quotation mark)" from the "Text Qualifier".

6 Specify the Data Format for your columns, and then click the [Finish] button.

- Highlight the desired column in the "Data preview" and change the "Column data format" to "Text".
- Change the Data Format for all columns to "Text".

The exported file opens.

7 Edit the file.

8 Save the file.

- To save the file as a new file, select "Text (tab-delimited)" under "Save file as type".

5.2 Initial settings

5.2.1 Select Target Devices

Select the devices whose counters are to be collected by Counter Reader.

✎...

Note

If the "Manage" check box is cleared, the counters for the device will not be displayed by Counter Reader. To not collect or display the counter information, clear the check box.

When new devices are found or added, they are automatically included in the list.

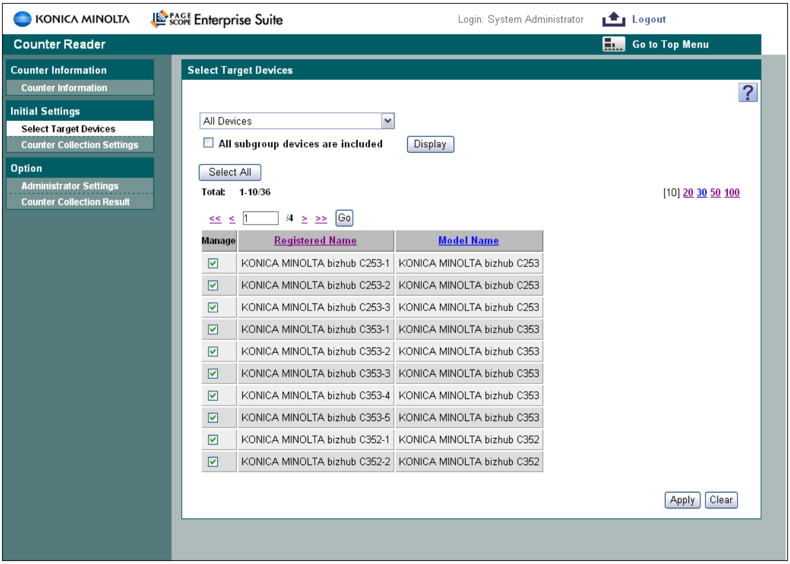
1 From the [Device Group] drop-down list, select the device group to be displayed.

- To display all devices, select "All Devices".
- If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.

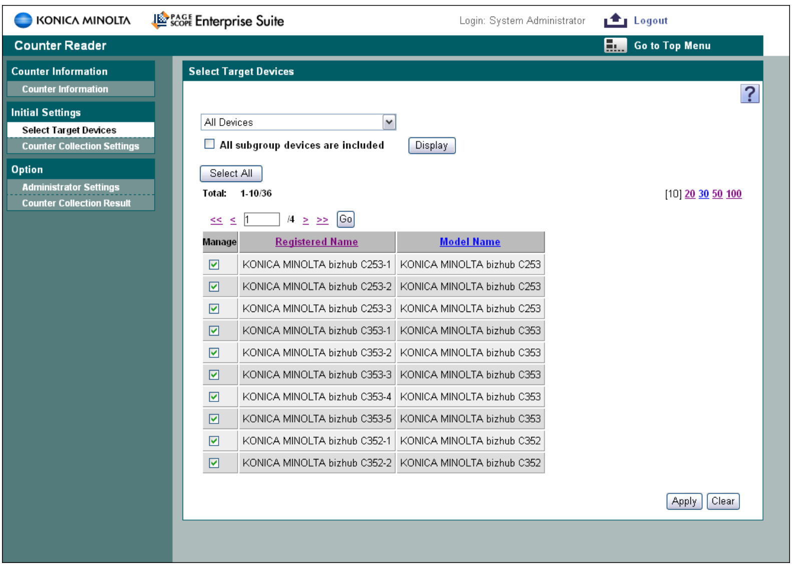
2 Click the [Display] button.

- If the selected group does not include devices that are capable of collecting counter information, no devices are displayed.

This page lists only the devices that are registered in the selected group that are capable of collecting counter information.



3 Select the "Manage" check box for the devices to be managed, and then click the [Apply] button.

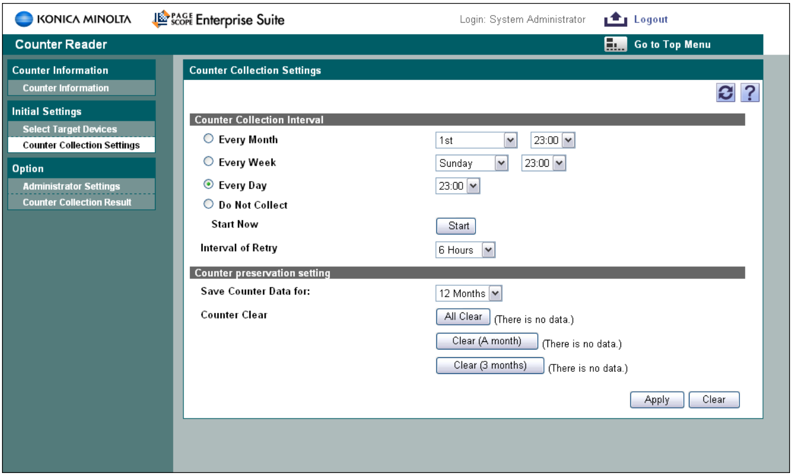


– To select all devices, click the [Select All] button.

5.2.2 Counter Collection Settings

Counters are collected at the specified time from the devices selected on the Select Target Devices page as the devices whose counters are to be displayed.

Specify the basic settings for counter collection. After the settings are specified, click the [Apply] button.



Function	Details
Counter collection interval	Select "Every Month", "Every Week", "Every Day" or "Do Not Collect" as the interval for collecting the totaled counters. After selecting the interval, select the details for the collection period.
[Start Now] button	Click the button to immediately collect the totaled counters.
Interval of Retry	Specify the interval to retry collecting totaled counters if an error occurred or the counters could not be collected.
Storage Period	Specify the time period that totaled counter data is saved. The counters are cleared after the specified length of time.
[Counter Clear] button	Click these buttons to clear the counters. The data is cleared when the "All Clear", "Clear (A month)" or "Clear (3 months)" is clicked. The counter for the last day is not cleared.

✎...

Reminder

The counters specified on the Settings of Counter Collection page are used for the counter information.

If "31st" is specified for "Every month", the process is performed at the end of the month in months that do not have 31 days (for example April 30).

✎...

Reminder

To collect counters from the devices, the settings on Device Information Settings screen for the Device List must match those specified on the device.

A counter value collected from a device may be a value form a few minutes ago, and in such a case, it may not match the latest counter value.

✎...

Note

In order to collect counters for users and account tracks registered in User List, the users and account tracks to be used with counter collection must first be registered.

✎...

Note

If the device is set so that user authentication is not performed, its counters are treated as those counters for users having a user name of "Public".

If the same user name has been registered with a device multiple times, only the counters for one of these users are collected. To create a user with a device, be sure to register the user with a unique user name.

If the same account name has been registered with a device multiple times, only the counters for one of the account tracks are collected. To create an account track with a device, be sure to register the account track with a unique account name.

✎...

Note

Use a global address for IPv6 address.

Some functions may not be available if any address other than the global address is used.

✎...

Note

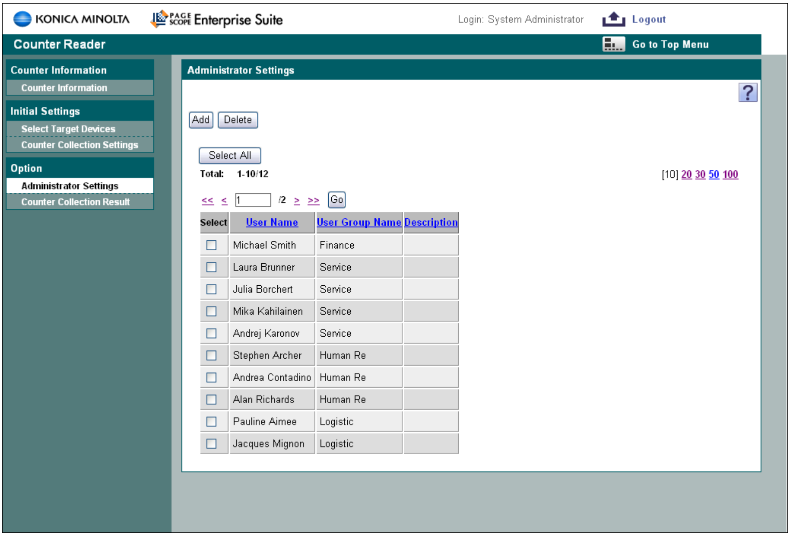
Some of the counters may not be collected unless the firmware in the devices has been updated.

For details, contact our service representative.

5.3 Option

5.3.1 Administrator Settings

Users who can use Counter Reader with Administrator privileges can be specified. Settings can be specified for the following parameters.



Function	Details
[Add] button	Click this button to register additional users with Administrator privileges.
[Delete] button	Click this button to delete users with Administrator privileges.

Adding an administrator

1 Click the [Add] button.

2 From the [User Group] drop-down list, select the user group to be displayed.

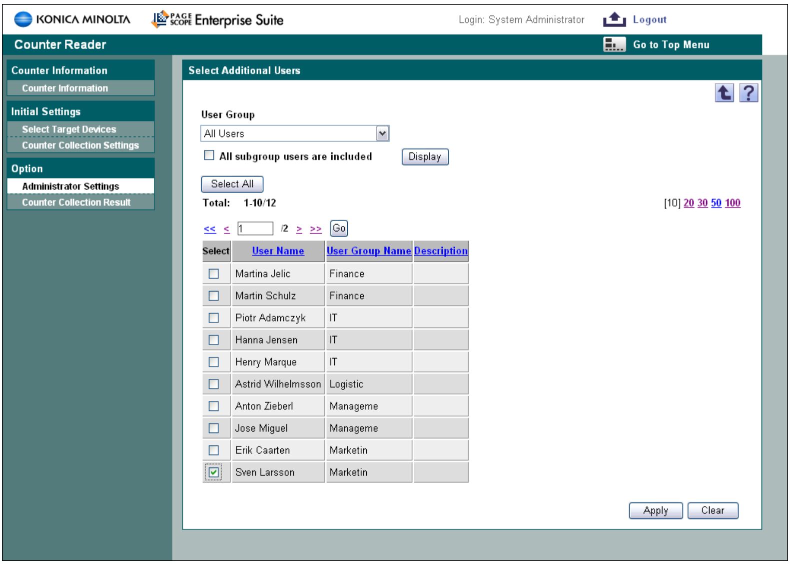
   – To display all users, select "All Users".
   – If master and subordinate relationships are specified in the group, select the "All subgroup users are included" check box to display all users, including those in subordinate groups.

3 Click the [Display] button.

   A list of users registered in the selected group appears.

4 From the user list, select the check box for the user to be added.

   – To cancel the selected settings, click the [Clear] button.



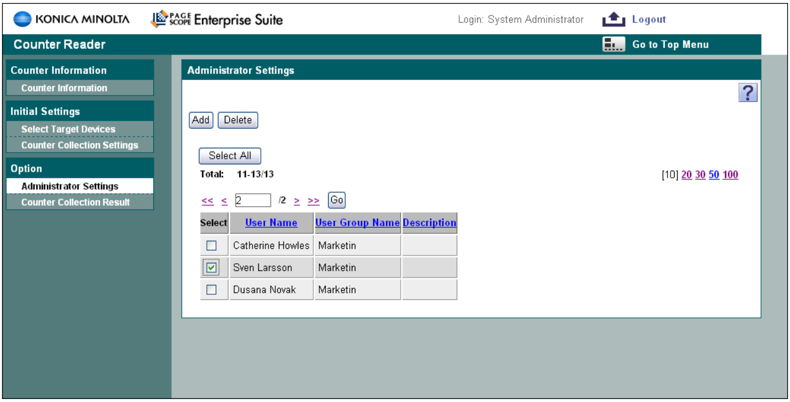
5 Click the [Apply] button.

   The selected user is added as an administrator.

Reminder
Multiple users can be selected at the same time.

Deleting an administrator

1 On the Administrator Settings page, select the check box for the user to be deleted.



2 Click the [Delete] button.

3 Check the message that appears, and then click the [OK] button to delete the user.

The selected user is deleted from the list of administrators.

...

Reminder

Multiple users can be selected at the same time.

5.3.2 Counter Collection Results

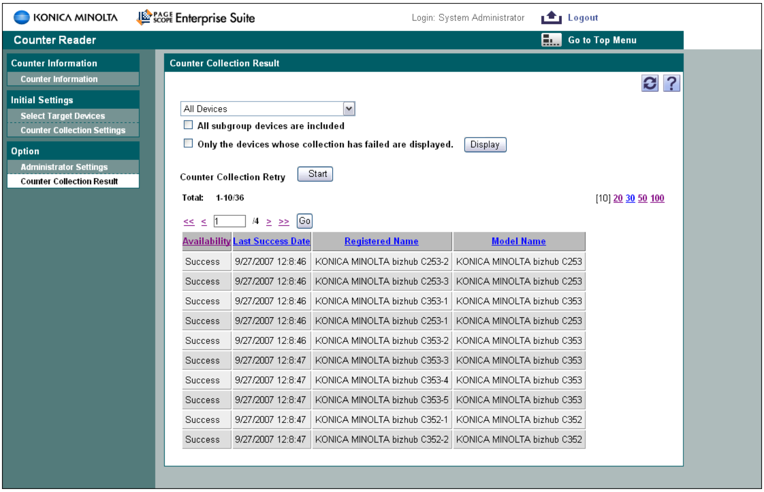
Displays the results of the counter information collected from the devices.

1 From the drop-down list, select the device group to be displayed.

– To display all devices, select "All Devices".
– If master and subordinate relationships are specified in the group, select the "All subgroup devices are included" check box to display all devices, including those in subordinate groups.
– To display the devices for which the collection of the counter information failed, select the "Display the devices for which the counter information could not be collected" check box.

2 Click the [Display] button.

A list of devices registered in the selected group appears.



3 Check the results of counter Information.

– Click the [Start] button to start acquiring counter information again only for devices whose "Availability" column indicates"Timeout" or "Error". Counter information is not collected for devices whose "Availability" column indicates "Success" or "Uncollected".

Function	Details
Availability	Displays the results of the counter collection or the current state of the counter collection. Displays the following states. • Success: The counter collection was successfully completed. • Uncollected: No counter collection was performed. • Waiting: Device is waiting for counter collection. • Timeout: Failed to communicate with a device. Check the device power or the settings on Device Information Settings screen for the Device List. • Error (SNMP): An error occurred when collecting information on counters. Check the SNMP settings for the relevant device or the settings on Device Information Settings screen for the Device List. • Error (HTTP): An error occurred when collecting information on counters. Check the HTTP settings for the relevant device or the settings on Device Information Settings screen for the Device List. • Error (FTP): An error occurred when collecting information on counters. Check the FTP settings for the relevant device or the settings on Device Information Settings screen for the Device List. • Error (Other): An error occurred when collecting information on counters. Perform counter collection again. Or, check the settings on the Device Information Settings screen for the Device List again.

Function	Details
Last Success Date	The last date and time at which counter collection was successfully completed. For a device on which no counter collection has been performed or counter collection has never been successfully completed, none will be listed.
Registered Name	Displays the registered name of the device.
Model Name	Displays the model name for the device.

6 Server Settings

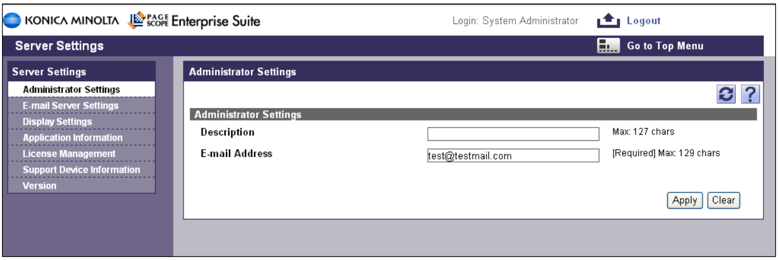
The server settings for PageScope Enterprise Suite can be specified.

These pages can be used only by users logged on as a system administrator.

For details on logging on as a system administrator, refer to "Logging on as a system administrator" on page 2-18.

6.1 Administrator Settings

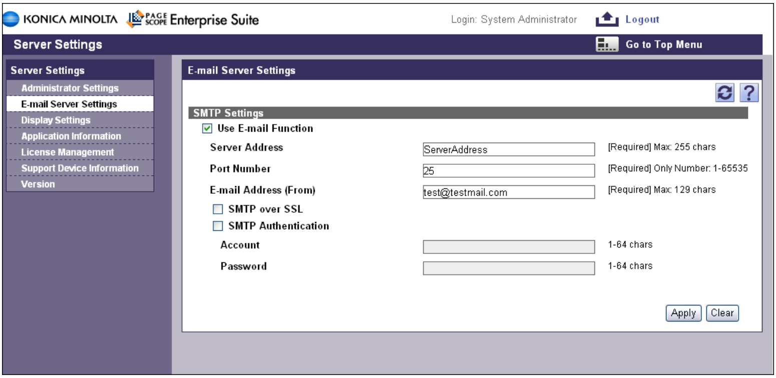
The settings for system administrators for PageScope Enterprise Suite can be specified.



Function	Description
Description	Type in a description of the system administrator.
E-mail Address	Type in the E-mail address of the system administrator.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.2 E-mail Server Settings

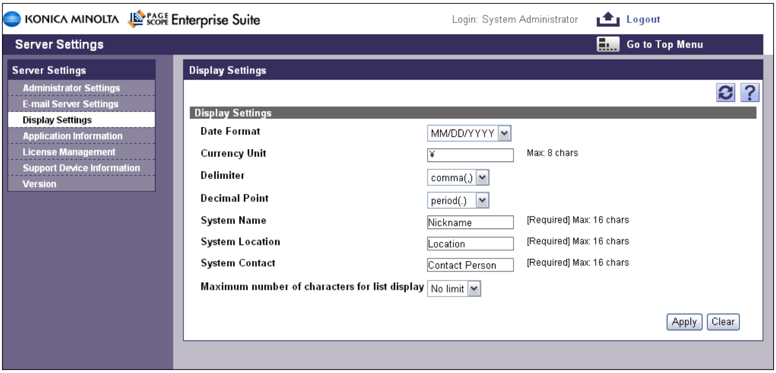
E-mail server settings can be specified.



Function	Description
Use E-mail Function	Select this check box to use the E-mail functions.
Server Address	Type in the IP address or host name for the SMTP server used for sending E-mail massages.
Port number	Type in the number of the port used with the SMTP server. The default is "25".
E-mail Address (From)	Type in the E-mail address used in the From header of E-mail.
SMTP over SSL	Select this check box to use SSL in SMTP communications.
SMTP Authentication	Select this check box to use SMTP authentication when sending E-mail messages. ... **Reminder** *To enable communication with an SMTP server via SSL, [Local Computer] must be selected as a store in which the certificate is placed.* *Saving a server certificate on a personal basis does not allow communication with an SMTP server via SSL.*
Account	Type in the E-mail account used with SMTP authentication.
Password	Type in the password used with SMTP authentication.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.3 Display Settings

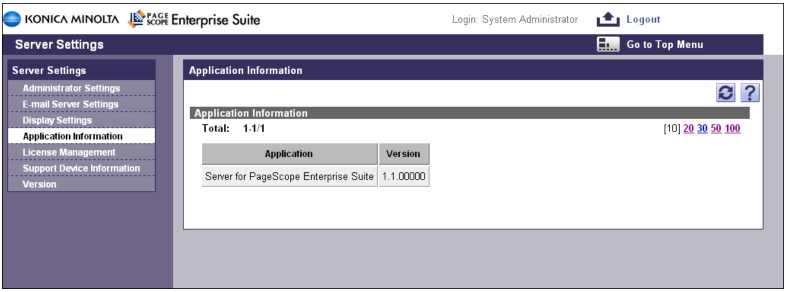
Basic display settings for PageScope Enterprise Suite can be specified.



Function	Description
Date Format	Select the format for displaying dates.
Currency Unit	Type in the currency unit to be used.
Delimiter	Select the character used to separate numbers.
Decimal Point	Select the decimal character.
System Name	Type in the title for the system name for the device list.
System Location	Type in the title for the system location for the device list.
System Contact	Type in the title for the contact person of the system for the device list.
Maximum number of characters for list display	Select the maximum number of characters to be displayed in the list.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.4 Application Information

The versions of applications provided with PageScope Enterprise Suite can be viewed.



6.5 License Management

The licenses for add-on (extension) applications running on the Server for PageScope Enterprise Suite can be managed. The license information can be viewed, and the licenses can be registered or deleted.

...

Reminder

If an invalid license is detected, it is automatically deleted.

If proxy settings have not been successfully configured, licenses may be automatically deleted.

...

Note

Add-on applications cannot be uninstalled with license registered. Be sure to delete the license before uninstalling any of them.

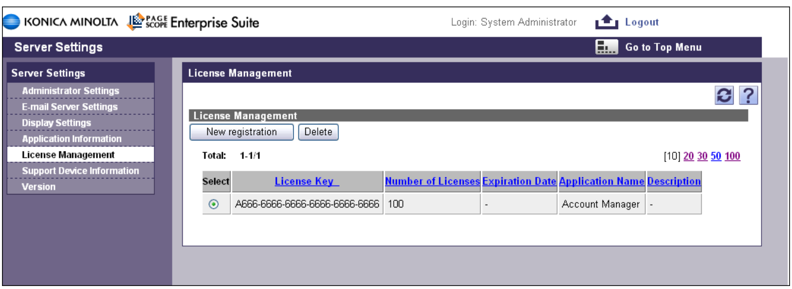
...

Note

To change the hardware configuration (e.g., a network card) of a computer on which Server for PageScope Enterprise Suite was installed, delete all licenses before doing so.

Changing the hardware configuration without deleting licenses could cause the licenses to be automatically deleted.

Settings can be specified and viewed for the following parameters.



Function	Description
License list	Displays the list of licenses registered on the Server for PageScope Enterprise Suite. The following information is included in the list: • Registered license keys • The number of valid licenses (the number of devices allowed) • Expiration date of licenses • Name of application • Description ... **Reminder** *Powering on and off a computer on which Server for PageScope Enterprise Suite is installed or restarting the Server for PageScope Enterprise Suite using Admin Console may cause the expiration date of a license to alter.* *Changing the date on the computer may also cause the expiration date of a license to alter.*
New registration	Click this button to register a new license. Clicking this button displays the License Confirmation screen, allowing to type in a license key.
[Delete] button	Click this button to delete the license selected in the license list.

License registration flow

1. Click the [New registration] button.

   The License verification screen appears.

2. In the License Confirmation screen, type in the license key, and then click the [Confirmation] button.

   When the license is confirmed successfully, the License registration screen appears.

3. In the License registration screen, click the [Register] button.

   The license is registered.

6.5.1 Confirming a license

License information can be confirmed.

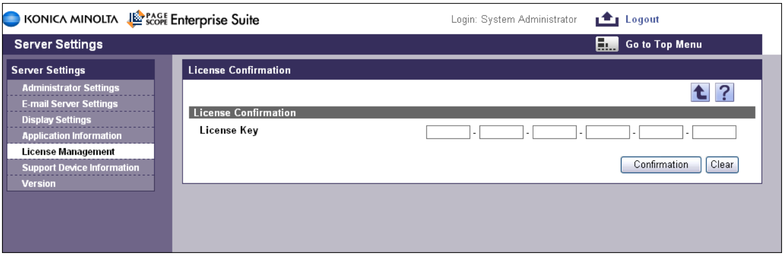
...

Note

Proxy settings are used to confirm the licenses.

If proxy settings have not been successfully configured, licenses cannot be confirmed.

Settings can be specified for the following parameters.



Function	Details
License key	Type in a new license key to be added.
Confirmation	Click this button to confirm a licenses. When the license is confirmed successfully, the License registration screen appears.
[Clear] button	Click this button to cancel the setting changes specified on this page.

6.5.2 Registering a license

Register the application license to enable the use of add-on applications.

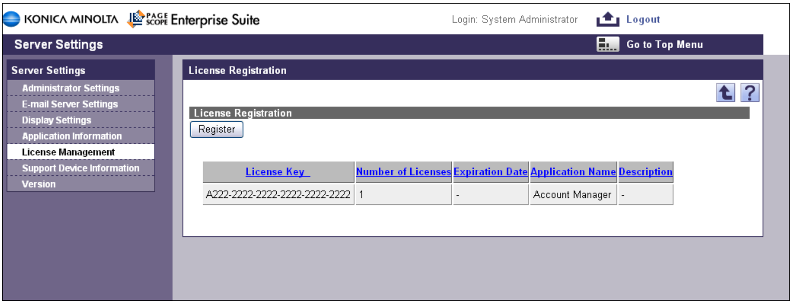
...

Note

Proxy settings are used to register the licenses.

If proxy settings have not been successfully configured, licenses cannot be registered.

Settings can be specified for the following parameters.



Function	Description
License Confirmation	Displays confirmed licenses. The following information is included in the list: • License key • The number of valid licenses (the number of devices allowed) • Expiration date of licenses • Name of application • Description
[Register] button	Click this button to register a license in the list.

6.5.3 Deleting a license

Registered licenses can be deleted.

Note

Proxy settings are used to delete the licenses.

If proxy settings have not been successfully configured, licenses cannot be deleted.

1 On the License management page, select the license to be deleted, and then click the [Delete] button.

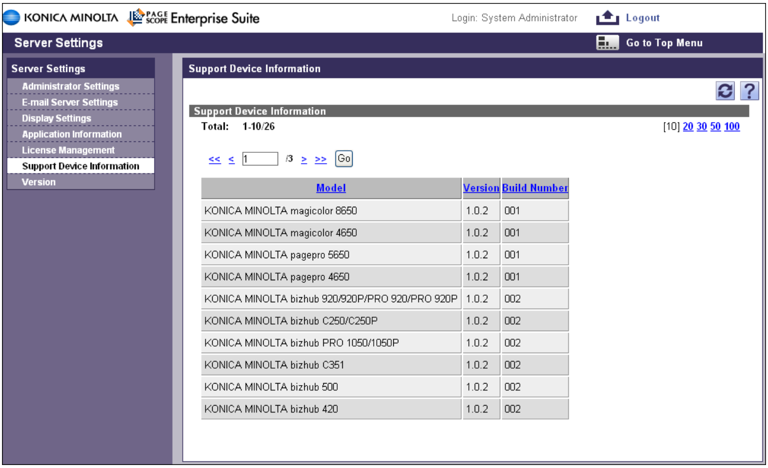
The confirmation dialog box appears.

2 Check the message that appears, and then click the [OK] button to delete the license.

The license is deleted.

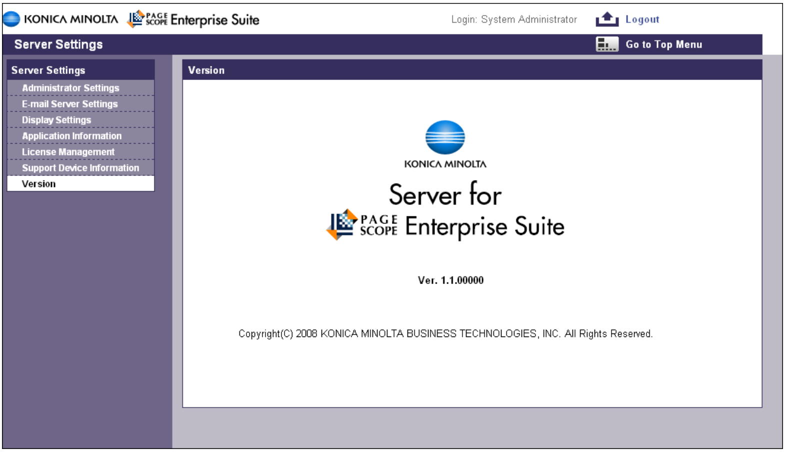
6.6 Support Device Information

The list of models compatible with PageScope Enterprise Suite can be viewed.



6.7 Version information

The version information for PageScope Enterprise Suite can be viewed.



7 Using Admin Console

Admin Console is an application that can be used to specify settings for connecting to the database for PageScope Enterprise Suite, to back up and restore the database, and to change the password of the system administrator.

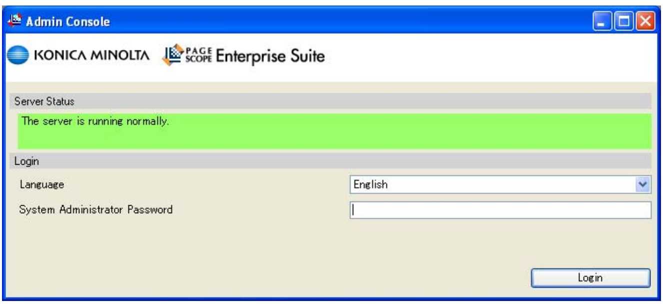
7.1 Starting and logging on to Admin Console

Admin Console is started from the "Start" menu.

Starting and logging on to Admin Console

1 From the "Start" menu, select [KONICA MINOLTA], then [PageScope Enterprise Suite], and then click [Admin Console].

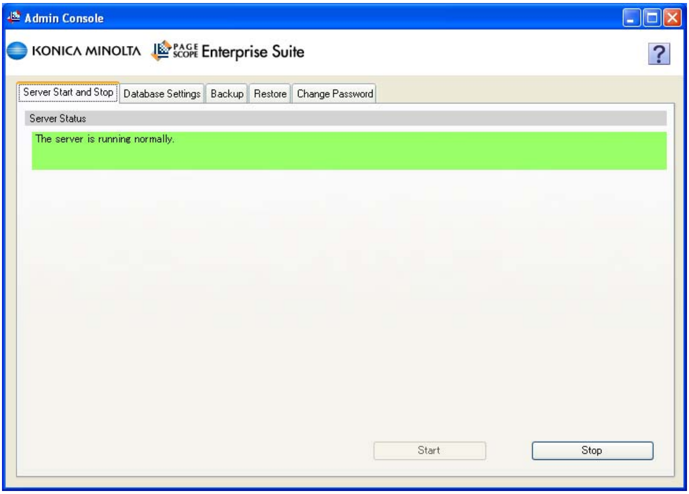
Admin Console starts up.



2 Specify the necessary settings, and then click the [Login] button.

– [Language]: Select the desired Admin Console display language.
– [Admin. Password]: Type in the password for the system administrator.

If the system administrator password was correctly entered, the following window appears.



...

Reminder

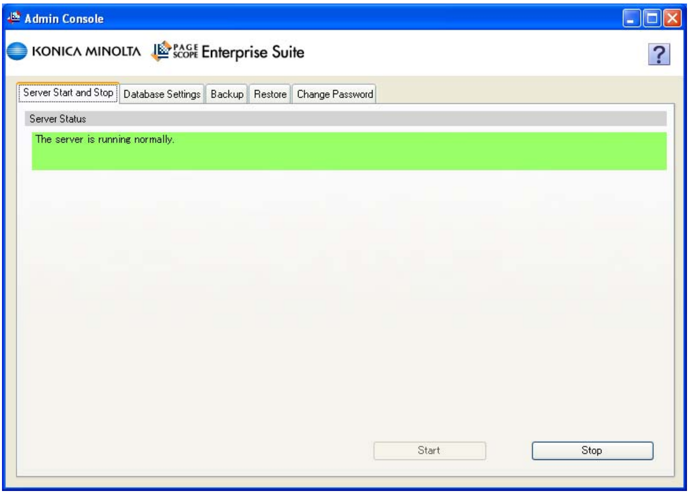
Click in the upper right corner of the page to display the Help information for the current page.

7.2 Starting and stopping the server

Before specifying settings for connecting to the database or performing the restore operation, the Server for PageScope Enterprise Suite must be stopped.

Stopping the Server for PageScope Enterprise Suite

➔ On the Server Start and Stop tab, click the [Stop] button.
The Server for PageScope Enterprise Suite stops.

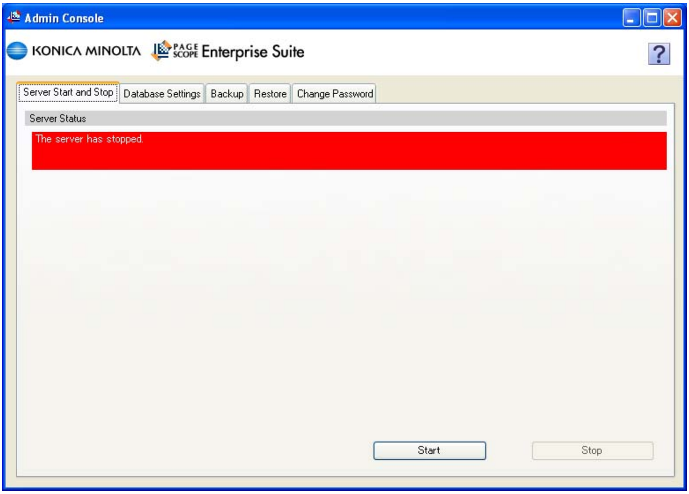


...

Reminder
If the server was not successfully started, click the [Clear] button, an then click the [Start] button.

Starting the Server for PageScope Enterprise Suite

➔ On the Server Start and Stop tab, click the [Start] button.
The Server for PageScope Enterprise Suite starts.

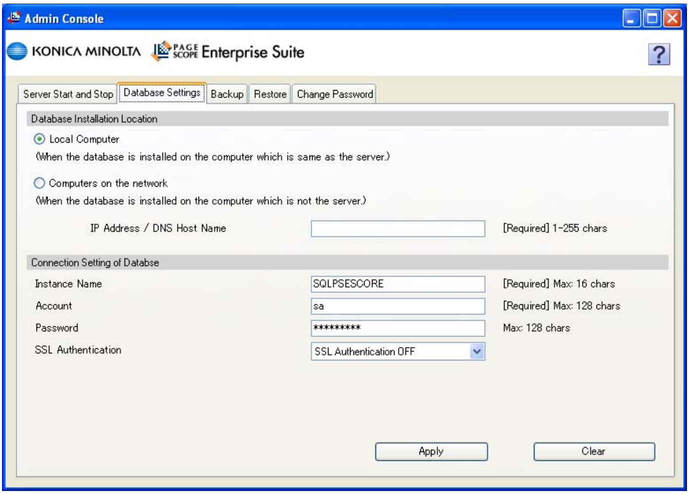


7.3 Database Setting

On the Database Setting tab, the database installation location of the Server for PageScope Enterprise Suite and the connection setting to the database can be specified.

Note

Before performing any operation, the Server for PageScope Enterprise Suite must be stopped. If the Server for PageScope Enterprise Suite is running, settings are not available and cannot be changed.



Database Installation Location

Local Computer	Select this if the database and the Server for PageScope Enterprise Suite are installed in the same computer.
Computers on the network	Select this if the database and the Server for PageScope Enterprise Suite are not installed in the same computer. In the [IP Address / DNS Host Name] text box, type in the IP address or DNS host name of the server on which the database is running.

Connection Setting of Databse

Function	Description
Instance Name	Type in the instance name for the database (up to 16 alphanumeric characters).
Account	Type in the account name of the administrator for the database (up to 128 alphanumeric characters).
Password	Type in the account password of the administrator for the data-base (up to 128 alphanumeric characters).
SSL Authentication	Select whether to enable SSL for connecting the Server for Page-Scope Enterprise Suite with the database.
Help button	Click this button to display the Help.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

7.4 Backup

On the Backup tab, the database for PageScope Enterprise Suite can be backed up.

Time interval for backing up the database can also be specified.

✎...

Note

Check that the folder specified in the "Backup file name" text box has Microsoft SQL Server write permissions.

In addition, if an existing file is specified as the backup file, check that the specified file has Microsoft SQL Server write permissions.

✎...

Note

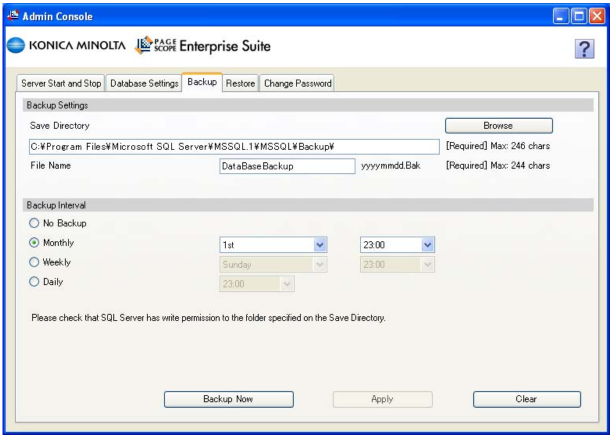
The following data cannot be backed up.
- System administrator password
- Database Setting

✎...

Reminder

Backing up the database while the server is running may fail. It is recommended that you back up the database by clicking the [Backup Now] button while the server is down.

Before executing backup, make sure no user is accessing to the Server for PageScope Enterprise Suite. If a logged-on user has changed the settings, the settings may not be saved correctly.



Function		Description
Backup Settings		Specify the location where the backup file is to be saved. **Note** *The folder name specified in [Save Directory] and the file name specified in [File Name] must be no more than a total of 246 characters.*
	Save Directory	Specify the folder where the database is to be backed up. The backup folder can also be specified by clicking the [Browse] button. **Note** *If [Computers on the network] is selected on the Database Setting tab in Admin Console, the [Browse] button is not available.*
	File Name	Type in the name of the backup file. **Reminder** *Date (yyyymmdd) and extension "Bak" are automatically added to the end of the file name specified here.*
Backup Interval		Select the time interval for automatically backing up the database.

Function		Description
	No Backup	Select this setting if the database is not to be automatically backed up.
	Monthly	Select this setting to back up the database every month on the specified date. Select the date and time that the database is to be backed up.
	Weekly	Select this setting to back up the database every week on the specified day. Select the day and time that the database is to be backed up.
	Daily	Select this setting to back up the database every day at the specified time. Select the time when the database is to be backed up.
Backup Now		Click the [Backup Now] button to immediately back up the database.
[Apply] button		Click this button to apply the setting changes specified on this page.
[Clear] button		Click this button to cancel the setting changes specified on this page.
Help button		Click this button to display the Help information.

Reminder

To specify the backup interval, the Server for PageScope Enterprise Suite must have been successfully started.

Detail

If "31st" is selected for "Monthly", the process is performed at the end of the month in months that do not have 31 days. (e.g. on 30th April)

7.5 Restore

On the Restore tab, the database for PageScope Enterprise Suite can be restored.

✎...

Note

When the database is restored, all current data is erased and cannot be recovered.

Check that the file to be restored has Microsoft SQL Server read permissions.

Data backed up from a different version of PageScope Enterprise Suite cannot be restored.

The database cannot be restored while it is being accessed. After restarting the computer, perform the restore operation.

✎...

Note

A restore operation cannot be performed if the name of database that is used to back it up differs from the one specified during installation.

✎...

Note

The database cannot be restored unless the settings on the Database Setting tab have been correctly specified.

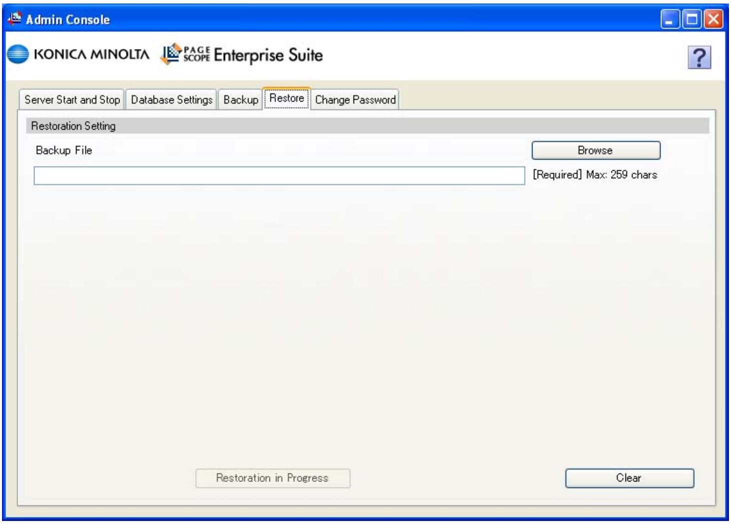
If these settings have been correctly specified, the message "Update Completed" appears when the [Apply] button on the Database Setting tab is clicked.

...

Note

A restore operation cannot be performed if the add-on application that has been installed during backup differs from the one that has been installed during restore.

For example,assume that you have backed up a database with the Server for PageScope Enterprise Suite and PageScope Account Manager installed. With PageScope Authentication Manager installed in addition to the Server for PageScope Enterprise Suite and PageScope Account Manager, it is not possible to perform a restore operation using the data that was backed up.

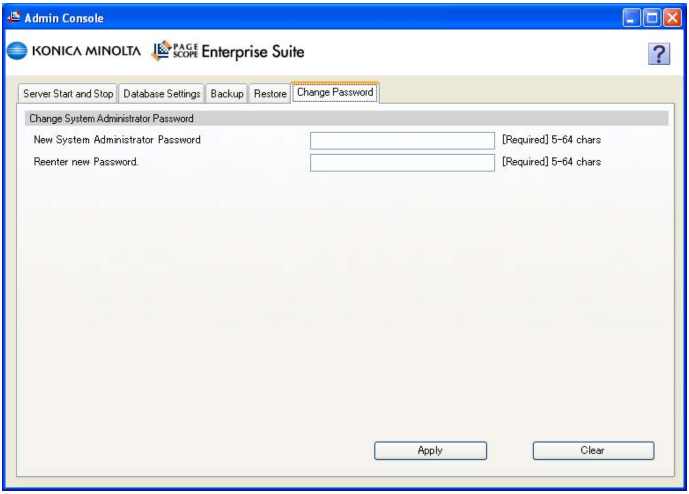


Function	Description
Backup File	Specify the file for the database backup that is to be restored. The backup file to be restored can also be specified by clicking the [Browse] button. ... **Note** *If [Computers on the network] is selected on the Data-base Setting tab in Admin Console, the [Browse] but-ton is not available.*

Function	Description
Restoration in Progress	Click this button to read the backup file specified in the [Backup File] text box and restore the database.
Help button	Click this button to display the Help information.
[Clear] button	Click this button to cancel the setting changes specified on this page.

7.6 Changing a password

On the Change Password tab, the password for the system administrator for PageScope Enterprise Suite can be changed.



Function	Description
New System Administrator Password	Type in the password for the system administrator for PageScope Enterprise Suite (up to 5 to 64 alphanumeric characters). **Note** *Spaces cannot be used.*
Reenter new Password.	For confirmation, type in the password entered in the [New System Administrator Password] text box.
Help button	Click this button to display the Help information.
[Apply] button	Click this button to apply the setting changes specified on this page.
[Clear] button	Click this button to cancel the setting changes specified on this page.

KONICA MINOLTA

http://konicaminolta.com

4343-PS343-01

2007.10