

# HDE Controller<sup>®</sup>

## File Server Manual



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# How to Read this Manual

## ■ About this Manual

The “HDE Controller Installation Manual” provides users with instructions to installing OS and the HDE Controller (this Product) as well as steps for configuring the initial settings of the Product.

Annotations are provided for any matters requiring special attention and phrase supplements.

	Any matters which require special attention are marked with this "Alert" icon in bold frame.
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	Contents which provide useful reference for using HDE Controller are marked with this "Hint" icon.
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- **Note (Caution of HDE Controller)**  
The HDE Controller is equipped with a variety of server management tools designed to meet corresponding obligations. The file pages of the HDE Controller is called the "User Menu".  
Certain operations are prohibited under the user menu, which are appear on the left side of the page, when each of the services are accessed. These sub-menu control functions pertaining should be careful to be aware.  
Moreover, some configurations which is highlighted are displayed on multiple tabs in the setting contents in the center of the page.  

- **Structure of the HDE Controller Menu**
- **Setting Method**  
Each change in settings will be applied when the "Configure" button in the bottom center of the screen is clicked.  
When the "Configure" button is pressed, an alert window displaying "Settings Applied" will appear on the screen. Please stop that any settings change when alert is closed unless the "Configure" button is pressed.  
Also, instead the "Apply Settings" button may be located in some of the menu screens.

# HDE Controller X

**File Server**

# 1. General Settings

## ■ Global Settings

Here we will suppose the following 4 cases in providing instructions on setting up your file server:

1. Join a pre-existing work group on the Windows Network.
2. Create a network group on the Windows Network.
3. Join a pre-existing Windows domain on the Windows Network. When joining a pre-existing Windows domain, authentication to the file server will be handled by a pre-existing server (Primary Domain Controller, or PDC) which manages Windows domain.
4. Create a new Windows domain. If the new domain differs from PDC, create the Windows domain and manages all user account data collectively.

Global Settings Homes Settings Detailed Settings

**Global Settings**

Configures global settings for the File Server.  
Users may join a pre-existing workgroup or Windows domain, or create a new workgroup or Windows Domain.

**Workgroup/Windows Domain Settings**

No workgroups found in the network.

Join an pre-existing Windows Domain ?

Windows Domain: MYGROUP  
Password Server: My\_PDC\_Name [My.F...]  
PDC Connection Password ?

Creates Workgroup ?

Workgroup: MYGROUP

**General Settings**

Description of the Server ? Samba Server Version %v  
Not specified  
eth0.49212.55.157

Interfaces to use ?

Users to be denied ?

Hosts to be denied ?

Configure

- [Case 1] Join a pre-existing work group on the Windows Network

Select the "File Server" - "General Setting" menu. If you wish to join a pre-existing work group on the Windows Network, select "Join a pre-existing Windows work group" and select the work group you wish to join.

If you failed to detect any existing work groups on the Windows Network using Windows Network Scan, proceed to the next set of instruction to create a new work group.



- [Case 2] Create a new work group on the Windows Network.

Select the "File Server" - "General Setting" menu.

Select "Create Workgroup" and enter the name of the work group you wish to create in the text box.



- [Case 3] Join a pre-existing Windows domain on the Windows Network.

Please note that you may need to register the machine account of the machine which you wish to add to the Windows domain as a member on the management server (PDC) before configuring this option. Please send a request to the domain administrator and add the machine account of your computer.

Select the "File Server" - "General Settings" menu.

If you wish to join a pre-existing Windows domain on the Windows Network, select "Join a pre-existing Windows Domain" and select the Windows domain you wish to join.

If you failed to detect any existing Windows domains on the Windows Network using Windows Network Scan, enter the name of the Windows

domain and PDC machine name (NetBIOS name) which manages the Windows domain to the "Windows Domain" and "Password Server" fields respectively.

To become a member of this domain, enter the administrator password required to connect to the PDC in the "PDC Connection Password" box. No password required if this server serves as the PDC.

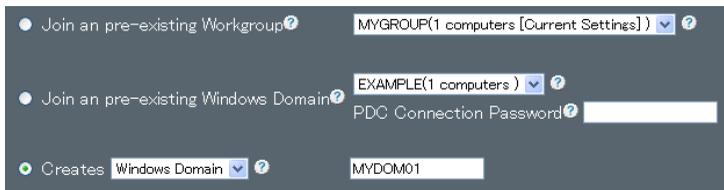


The screenshot shows a configuration dialog with three radio buttons. The first radio button, "Join an pre-existing Windows Domain", is selected. To its right, there are three input fields: "Windows Domain" containing "MYGROUP", "Password Server" containing "My\_PDC\_Name [My\_F", and "PDC Connection Password" which is masked with black dots.

- [Case 4] Create a new Windows domain on the Windows Network and serve as PDC for the new domain.

Select the "File Server" - "General Settings" menu.

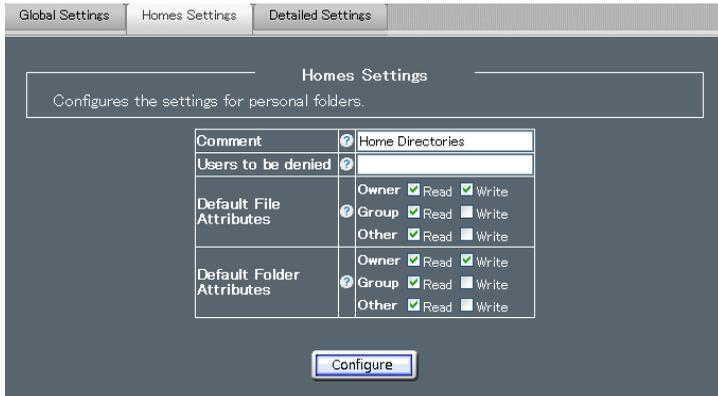
Select "Creates Windows Domain" and enter the name of the Windows domain you wish to create in the text box. Click the "Configure" button to set this computer as the PDC.



The screenshot shows a configuration dialog with three radio buttons. The third radio button, "Creates Windows Domain", is selected. To its right, there are two input fields: a dropdown menu showing "EXAMPLE(1 computers)" and a text box containing "MYDOM01".

## ■ Home Settings

Configure the settings for user home directories.



### ● Comment

Specifies the text displayed next to the folder name in browse lists such as "My Networks" on the Windows client.

### ● User to be denied

Specifies the users whom you wish to deny from using the file sharing service. Separate each entry with a comma if multiple entries.

### ● Default Folder Attributes

Configure the default folder attributes when creating new folders.

Execution attribute will be given to new folders in all cases.

### ● Default File Attributes

Configure the default file attributes when creating new files.

Execution attribute will be given to new file in all cases.

## ■ Detailed Settings

Configure detailed settings for the file server.

Detailed Settings

Configures the advanced settings for the file server.

Unix Charset	EUCJP-MS
Guest Account	nobody
Map to Guest	Never
NetBIOS Name	MYSERVER

Configure

### ● UNIX Charset

Specify the text encoding of the file name applied when creating new files/folders within the shared directory.

### ● Guest Account

Specifies the user account name applied when users login to the file server as a guest.

### ● Map to Guest

Specify the steps taken when authentication to file server failed due to incorrect password.

Never	Denies login.
Bad User	Denies login; however, allow guest login if the specified user name does not exist.
Bad Password	Handle as guest login.

### ● NetBIOS Name

Specify a NetBIOS name used on the Windows Network.

Set as the first component of the host's FQDN if left blank.

## 2. Shared Folder Management

Select the "File Server" - "Shared Folder Management" menu.

Enter the name of the shared folder in the textbox under "Create Share Folder" and click the "Add" button.

**Shared Folder Management**  
Creates new shared folders, and change the settings of existing shared folders.

Create Shared Folders

Shared Folder Name

Shared Folders List			
Shared Folder Name	Status	Comment	Action
lib_locale	Not Connected		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
resources_esp	Not Connected		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
resources_pro	Not Connected		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
sys_locale	Not Connected		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

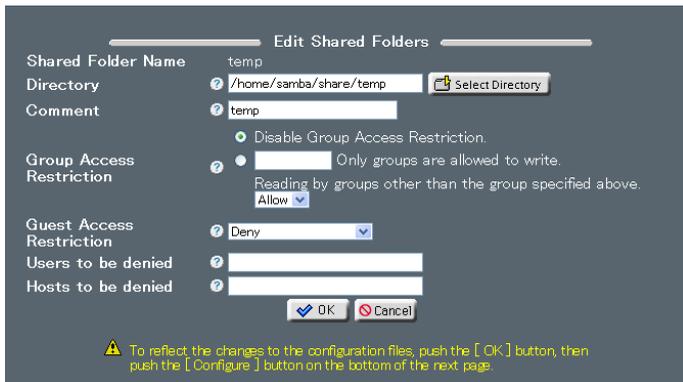
- [Case 1] Create a shared folder which allows read/write from all users with user accounts.

Configure the following settings in the "Edit Shared Folders" screen.

Select "Disable Group Access Restriction" for "Group Access Restriction".

Select "Deny" for "Guest Access Restriction".

Please configure the other settings in accordance with your needs.



Shared Folder Name temp

Directory /home/samba/share/temp

Comment temp

Group Access Restriction  Disable Group Access Restriction.  
 Only groups are allowed to write.  
Reading by groups other than the group specified above.  
Allow

Guest Access Restriction Deny

Users to be denied

Hosts to be denied

**⚠** To reflect the changes to the configuration files, push the [OK] button, then push the [Configure] button on the bottom of the next page.

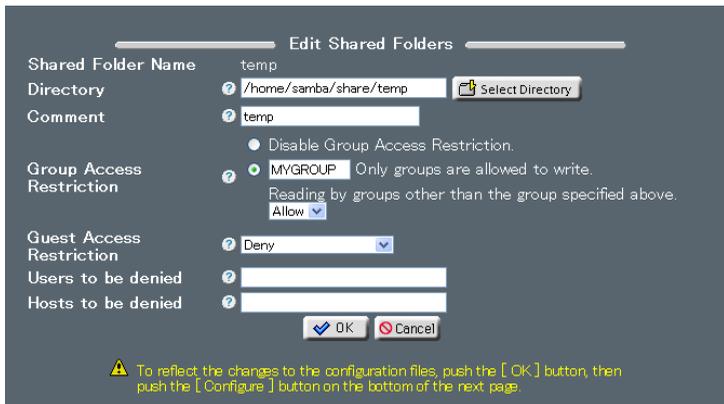
- [Case 2] Create a shared folder which only allows write from specified groups (allows read from all user accounts).

Configure the following settings in the "Edit Shared Folders" screen.

Select "Only groups are allowed to write" for "Group Access Restriction" and enter the name of the group in the textbox.

Select "Allow" for "Reading by groups other than the group specified above" and "Deny" for "Guest Access Restriction".

Please configure the other settings in accordance with your needs.



Shared Folder Name temp

Directory /home/samba/share/temp

Comment temp

Group Access Restriction

Disable Group Access Restriction.

MYGROUP Only groups are allowed to write.

Reading by groups other than the group specified above.

Allow

Guest Access Restriction

Deny

Users to be denied

Hosts to be denied

**⚠** To reflect the changes to the configuration files, push the [ OK ] button, then push the [ Configure ] button on the bottom of the next page.

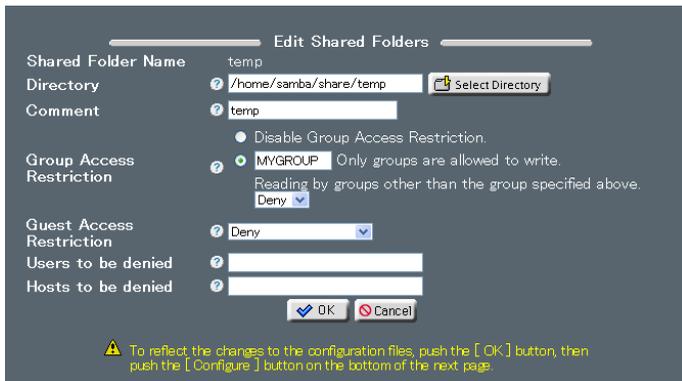
- [Case 3] Create a shared folder which only allows write from specified groups (denies read from all user accounts).

Configure the following settings in the "Edit Shared Folders" screen.

Select "Only groups are allowed to write" for "Group Access Restriction" and enter the name of the group in the textbox.

Select "Deny" for "Reading by groups other than the group specified above" and "Deny" for "Guest Access Restriction".

Please configure the other settings in accordance with your needs.



Shared Folder Name temp

Directory /home/samba/share/temp

Comment temp

Disable Group Access Restriction.

Only groups are allowed to write.  
Reading by groups other than the group specified above.  
Deny

Guest Access Restriction Deny

Users to be denied

Hosts to be denied

 To reflect the changes to the configuration files, push the [OK] button, then push the [Configure] button on the bottom of the next page.

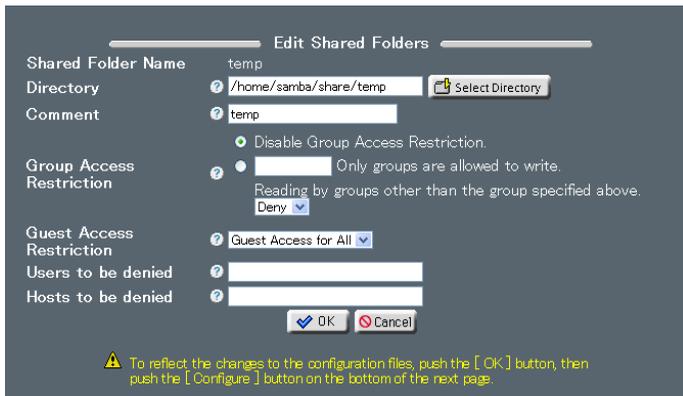
- [Case 4] Create a shared folder which allows read/write from all guest users.

Configure the following settings in the "Edit Shared Folders" screen.

Select "Disable Group Access Restriction" for "Group Access Restriction".

Select "Guest Access for All" for "Guest Access Restriction".

Please configure the other settings in accordance with your needs.



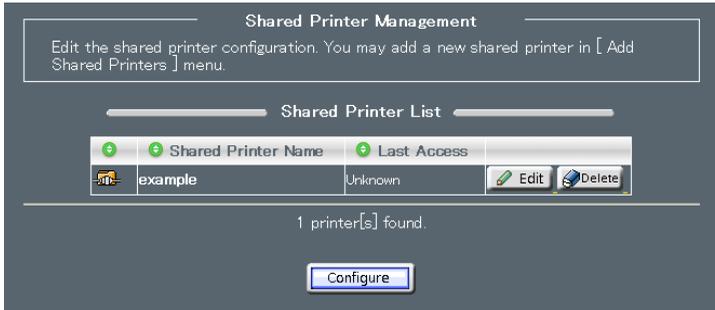
After you have completed your entries, click the "OK" button to return to the Shared Folder Management screen. At this time, if the directory you specified in "Directory" does not exist, you will be prompted whether to create a new directory. Click "OK" to proceed.

Click the "Configure" button to complete the procedure for adding the new shared folder and apply your settings.

### 3. Shared Printer Management

Select the "Shared Printer Management" menu.

A list of available shared printers will be displayed on your screen.



- "Edit" Button

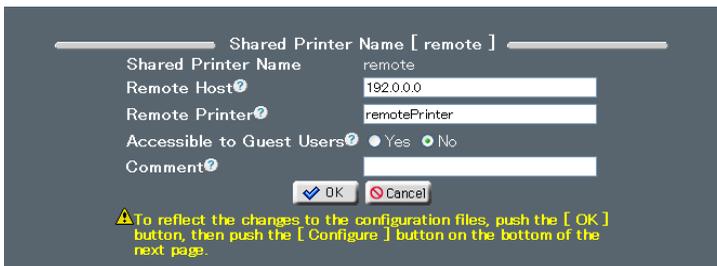
The following screen will be displayed when the "Edit" button is clicked. You may reconfigure the settings for "Device Name", "Accessible to Guest Users", and "Comment".

- ◇ If you have selected "Printers Connected to this server" when you added this shared printer

You may reconfigure the settings for "Device Name", "Accessible to Guest Users", and "Comment".

- ◇ If you have selected "Network Printer" when you added this shared printer

You may reconfigure the settings for "Remote Host", "Remote Printer", "Accessible to Guest Users" and "Comment".



- **“Delete” Button**

Click the “Delete” button to delete a shared printer and click the “Configure” button on the bottom of the page to apply your settings.

- **“Undo” Button**

Click the “Undo” button to cancel your deletion.

## 4. Add Shared Printer

You must make sure that the cups package is installed in order to perform this setting.

You can check if the package is installed with the following procedure (for Professional Edition only):

In the HDE Controller Main Menu, go to the "Package Management" - "Installed Package List" menu.

Confirm on the list that the cups package is installed.

If the cups package is not installed, install the package from the "Install Package" menu.

There are two methods used for creating a new shared printer as explained on the next page.

- A) If you have selected “Printers Connected to this server” when you added this shared printer

Create a new shared printer which is connected to this server directly via parallel port or USB.

Select the "Add Shared Print" menu.

Select "Printers Connected to this server" in the "Add Shared Printer" screen and click the "Next" button to proceed to the detailed settings.

Configuration Complete. Printer Server can now be started.

Shared Printer Name	<input type="text"/>
Device Name	lpt1
Accessible to Guest Users	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comment	<input type="text"/>

Back Cancel Configure

#### ◇ Shared Printer Name

Enter the name of the shared printer you wish to add.

#### ◇ Device Name

Select the name of the device the printer is connected to. The UNIX system manages all devices via special files called device files. For devices connected via parallel ports, it will be normally displayed in forms such as /dev/lp0, /dev/lp1, etc.

#### ◇ Accessible to Guest Users

Specify whether or not users without a file sharing account may use this shared printer.

#### ◇ Comments

Entries to this field will be displayed as a comment when in the list of shared printers or in the detail display of Windows clients such as the Explorer. This item is optional and not required for system operation.

Click the “Configure” button to complete your configuration.

- B) If you have selected “Network Printer” when you added this shared account

Create a new shared printer as a shared printer on the Windows Network.

Select the "Add Shared Print" menu.

Select "Network Printer" in the "Add Shared Printer" screen and click the "Next" button to proceed to the detailed settings.

Configuration Complete. Printer Server can now be started.	
Shared Printer Name	<input type="text"/>
Remote Host	<input type="text"/>
Remote Printer	<input type="text"/>
Accessible to Guest Users	<input checked="" type="radio"/> Yes <input type="radio"/> No
Comment	<input type="text"/>

#### ◇ Shared Printer Name

Enter the name of the shared printer you wish to add.

#### ◇ Remote Host

Enter the host name or the IP address of the server or the network printer this printer is connected to.

#### ◇ Remote Printer

Enter the printer which the remote host has released on the network.

#### ◇ Accessible to Guest Users

Specify whether or not users without a file sharing account may use this shared printer.

#### ◇ Comments

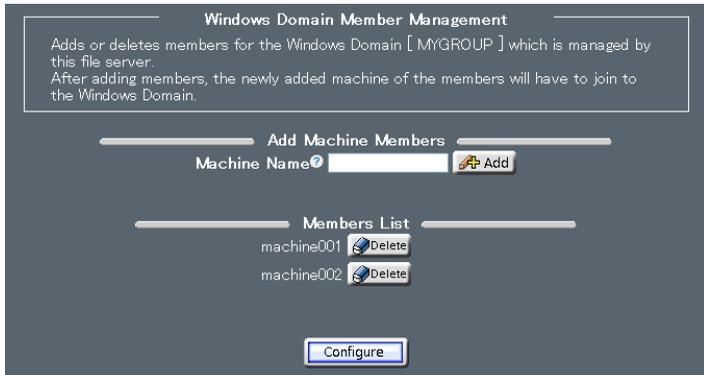
Entries to this field will be displayed as a comment when in the list of shared printers or in the detail display of Windows clients such as the Explorer. This item is optional and not required for system operation.

Click the “Configure” button to complete your configuration.

## 5. Windows Domain Member Management

If this machine is set as the PDC, it is necessary to register the machine account which will become the domain member.

This feature manages the machine accounts of machines set as domain members.



Please note that in order to configure this setting; you must set this machine as the PDC.

- Add Machine Members

Enter the NetBIOS name of the domain member machine and click the "Add" button. Click the "Configure" button to reflect your setting changes.

- Member List

Display a list of NetBIOS names of registered domain member machines. Click the "Delete" button to delete an existing member.

Click the "Configure" button to reflect your setting changes.

## 6. Domain Administrator Settings

Configure the domain administrator who manages the Windows domain managed by the PDC. The domain administrator settings configured here will be required when joining existing Windows domain on the domain member machine.



Please note that in order to configure this setting; you must set this machine as the PDC.

Domain Administrator Settings

Configures Domain Administrator [ Domain.MYGROUP ] of the Primary Domain Controller.  
Domain Administrator Account is required for the computer of the domain member joining into the domain.

Domain Administrator Name	<input type="text" value="administrator"/>
Password	<input type="password"/>
Password (Re-Type)	<input type="password"/>

### ● Domain Administrator Name

Enter the account name of the domain administrator who manages the Windows domain.

The following restrictions apply when specifying the user name:

1. Initial character of the user name must begin with a lower case alphabet.
2. The user name must consist only lower case alphabets, numbers, hyphens "-", underscores "\_", and dots ".".
3. The user name must be within 32 characters.

### ● Password

Enter the domain administrator password



Please be sure to specify the domain administrator name and password as they are required when adding the domain member machine to the Windows machine.

HDE Controller PRO / LG User Manual

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