



RELIABLE FILE TRANSFER

HULFT7^e

Manager

Installation Manual

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Preface

This document is intended for individuals who use HULFT7e Manager for the first time and those who are involved in version upgrade work. This document describes the procedures from the installation of the product to the environment settings and the basic operation of HULFT Manager.

This document is for the person with system administrator-level knowledge of Windows.

The screen shots and operational procedure in this document are based on assumption that Microsoft Windows XP Professional is used.

The image and explanation may differ from your environment depending on the type or setting of OS in use.

Structure of This Document

This document is composed of the following chapters:

Chapter 1	Overview
Chapter 2	Installation Method
Chapter 3	Setting of Destination HULFT
Chapter 4	Startup Method of HULFT Manager
Chapter 5	Operation Method
Chapter 6	Termination Method of HULFT Manager
Chapter 7	Backup Method
Chapter 8	Switchover from Trial Version to Product Version
Chapter 9	Version Upgrade Method
Chapter 10	Revision Upgrade Method
Chapter 11	Uninstallation Method

Symbols and Notations

<Description of Product Name>

- In this document, HULFT7e Manager is generally named as 'HULFT Manager.'
In addition, HULFT7 ManagerConnection Option which is for HULFT Ver.7 and HULFT ManagerConnection Option which is for HULFT lower than Ver.7 are collectively expressed as HULFT ManagerConnection Option.
- The names of the following products have been changed from Ver. 6.1.0 onwards:
HULFT PPP Client for Windows >> HULFT BB Client for Windows
HULFT PPP Server Option for Windows >> HULFT BB Server Option for Windows

<Version, Level, and Revision of HULFT Manager>

In HULFT and HULFT Manager, the Version Information is displayed in the following format:

Example: 7. 0. 0
 a) b) c)

a): Version

b): Level

c): Revision

Upgrade of the number appeared in a) — Version Upgrade

Upgrade of the number appeared in b) — Level Upgrade

Upgrade of the number appeared in c) — Revision Upgrade

<Command or Control Card Explanation>

- []: Brackets indicate that the enclosed items are optional.
 - { }: Braces indicate that enclosed items are multiple options, from which one option must be selected.
 -: Repeat symbol indicates options, which should be repeated if necessary. The symbol may follow single word or a group of options enclosed within either brackets or braces. The part enclosed within either brackets or braces in a format is regarded as one unit. Repeat the whole part in between the symbols on a unit basis.
 - |: Vertical bar is used to set off options.
- Italics:* Italics indicate a variable. (a value that varies depending on the target or state)
Example: *yyyymmdd*

Type in comma (,) and equal sign (=) in the exact location as they are represented.

<Command or Management Information Settings>

- Uppercase characters: uppercase characters indicate that uppercase alphabets (A-Z) can be used.
- Lowercase characters: lowercase characters indicate that lowercase alphabets (a-z) can be used.
- Alphabets: alphabets indicate that both uppercase (A-Z) and lowercase (a-z) alphabets can be used.
- Alphanumeric characters: alphanumeric characters indicate uppercase and lowercase alphabets (A-Z, a-z) as well as numeral (0-9) can be used.

Use of HULFT Manager Online Help

HULFT Manager provides *the Online Help* that explains the details of the function and the operation. Complete the installation of HULFT Manager first, and click [Start]. From [Start] menu, select [HULFT Family] > [*Registration Name you set during the installation*] > [HULFT Manager Help] to display *the Online Help*.

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Chapter 1

Overview

This chapter explains the requirements which should be considered before the installation of HULFT Manager.

1.1 HULFT Manager

HULFT Manager is a system designed to control HULFT installed on each host centrally from one Windows PC (a personal computer) which is connected via LAN.

With HULFT installed on each host, you can register all types of the management information; confirm the status of sending and receiving; and issue requests such as the Send File, the Send Request, the Resend File, and the Resend Request by using the Management screen. By installing HULFT Manager, you can use these functions with simple operation from a remote place.

The type of destination host (the host that is connected from HULFT Manager is called 'destination host') can be Mainframe, UNIX/Linux, i5OS, and Windows. Regardless of destination host types you connect, similar operation methods and screens are available. (some parts such as file definition may vary)

As multiple windows (namely, the Management screen) can be displayed on one PC, operability of HULFT Manager has improved compared with HULFT Management screen of each host. (such as Mainframe, UNIX/Linux, i5OS and the like) In addition, with the integrated administration of the management information of each host by using the Batch Distribution, you can seek reduction of TCO.

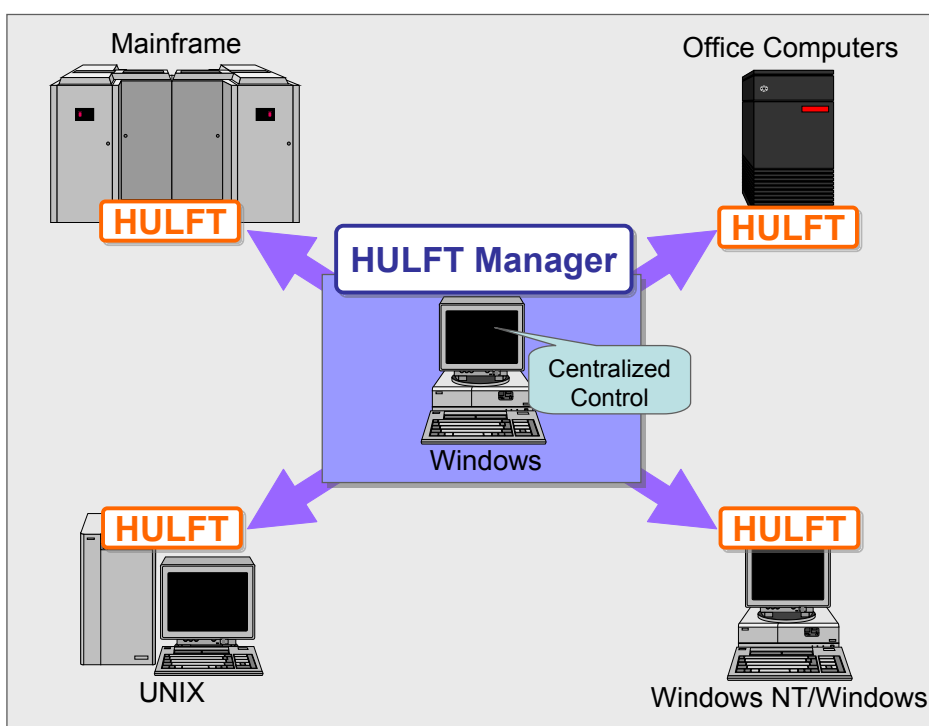


Figure 1.1 HULFT Manager Connection Form

[Note] When using HULFT Manager, it is necessary to install HULFT ManagerConnection Option on the destination host.

1.2 Environment Requirements for Installation

This section explains the environment required for the installation of HULFT Manager.

1.2.1 Machine Environment

The machine environment required for HULFT Manager is shown below. Before installation, verify the following points:

- (1) **Microsoft Windows 2000 (Service Pack 4 or higher), Windows XP (Service Pack 2 or higher), Windows Server 2003, Windows Vista, or WindowsServer 2008 has been installed properly.**

For details, refer to the relevant manuals of each OS.

- (2) **When HULFT related products are running, make sure to stop HULFT related applications and the services.**

If you intend to install HULFT Manager on the machine, on which any one of the lower version has already been installed, refer to “Chapter 9 Version Upgrade Method” and “Chapter 10 Revision Upgrade Method.”

1.2.2 Software Requirements

For the software requirements, visit our website from the following URL:

<http://www.hulft.com/>

1.2.3 Connection with Partner Machine

HULFT Manager connects to partner machines and carries out file transfer by using the TCP/IP protocol. (included in the OS) HULFT Manager identifies each partner machine by the Host Name. To establish connection, the result of the connection test (Ping test) with the target Host Name should be successful.

Confirm that the connection test with the target Host Name is successful beforehand.

Execution Method of Ping

Start the Command Prompt, and enter as follows to execute the ping command:

(Example)

- For IPv4

ping partner host name

Example: ping HOST01

- For IPv6

ping6 partner host name

Example: ping6 HOST01

For details, refer to the relevant manuals of each OS.

1.2.4 Disk Space Requirement for Installation of HULFT Manager

For installation of HULFT Manager, free disk space of 160 MB or more is required in the hard disk.

~~~~~Memo~~~~~

## **Chapter 2**

### **Installation Method**

This chapter explains how to install HULFT Manager.

## 2.1 Installation Procedure of HULFT Manager

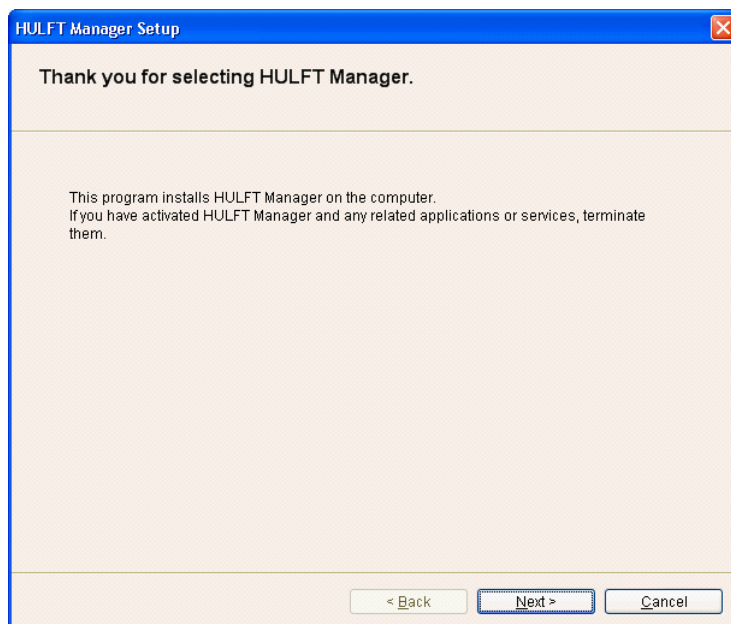
The setup program is used for the installation of HULFT Manager.

If any lower version has been installed already, refer to “Chapter 9 Version Upgrade Method” and “Chapter 10 Revision Upgrade Method.”

[Remarks] You can return to the previous dialog box by clicking [Back] on the dialog boxes of the setup program. Meanwhile, you can exit from the installation procedure by clicking [Cancel].

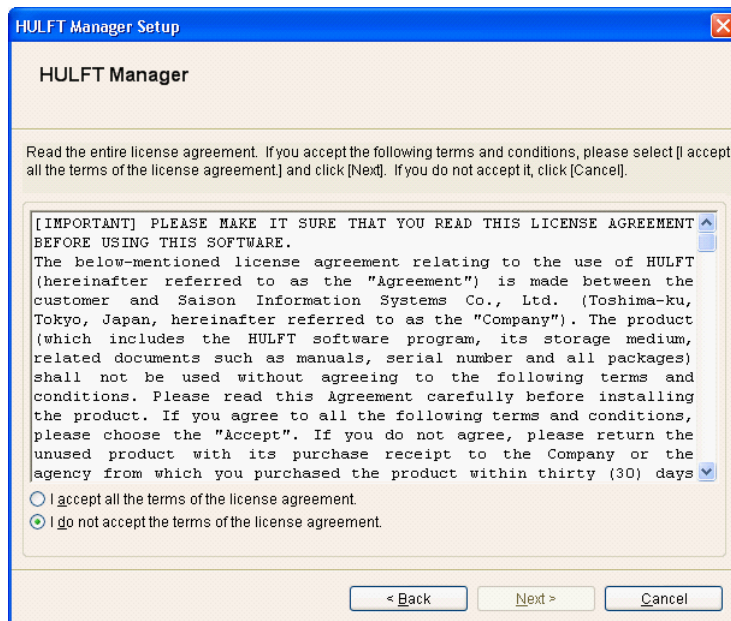
### (1) Startup of Setup Program

Double-click ‘Setup.exe’ in the installation CD. The dialog box shown below is displayed. Click [Next].



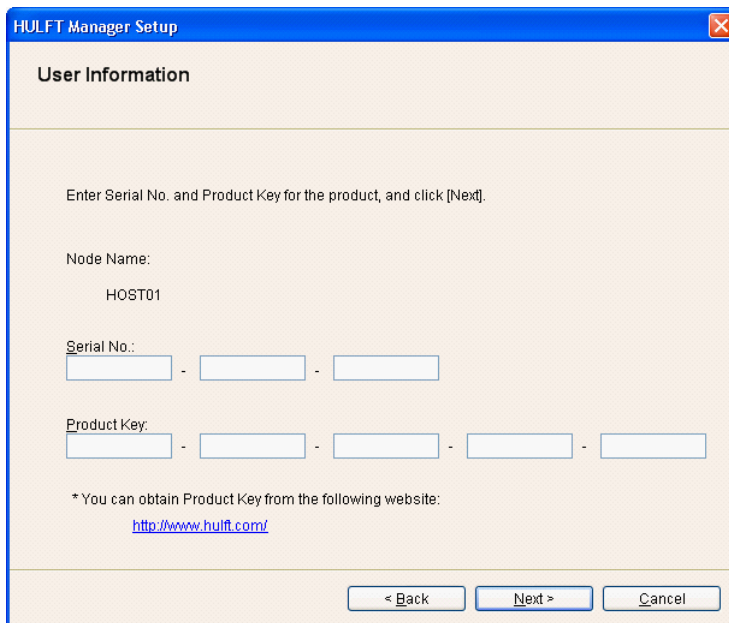
## (2) Confirmation of License Agreement

The license agreement of HULFT Manager is displayed. Read the entire license agreement. If you accept the terms and conditions, select [I accept all the terms of the license agreement.], and click [Next].



### (3) Registration of Serial No. and Product Key

The dialog box read 'User Information' is displayed. Enter the Serial No. and the Product Key for the product, and click [Next].



The screenshot shows a Windows-style dialog box titled "HULFT Manager Setup" with a standard close button in the top right corner. The main title of the dialog is "User Information". Below the title, there is a light beige background area containing the following text and fields:

- Instruction: "Enter Serial No. and Product Key for the product, and click [Next]."
- Node Name: "HOST01" (displayed as text, not in a field).
- Serial No.: Three empty text boxes separated by hyphens.
- Product Key: Five empty text boxes separated by hyphens.
- Footnote: "\* You can obtain Product Key from the following website:" followed by the URL <http://www.hulft.com/>.

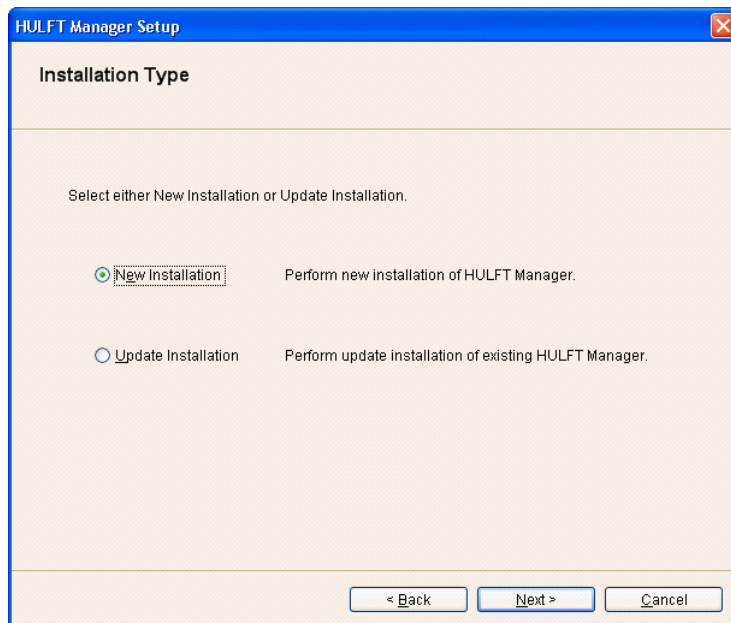
At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

#### [Remarks]

- You can obtain the Product Key from the URL displayed on the dialog box.
- You can acquire the host name (the Node Name) by executing the hostname command.
- If you change the host name (the Node Name), you should obtain the Product Key again to perform setting up HULFT Manager once more. When you set up the application again, select the Update Installation for the installation type.

#### (4) Selection of Installation Type

Select either the New Installation or the Update Installation on the dialog box read 'Installation Type,' and click [Next].



When you newly build up the environment of HULFT Manager, select the New Installation. Meanwhile, when HULFT Manager has already been installed and you intend to take over the existing environment, select the Update Installation.

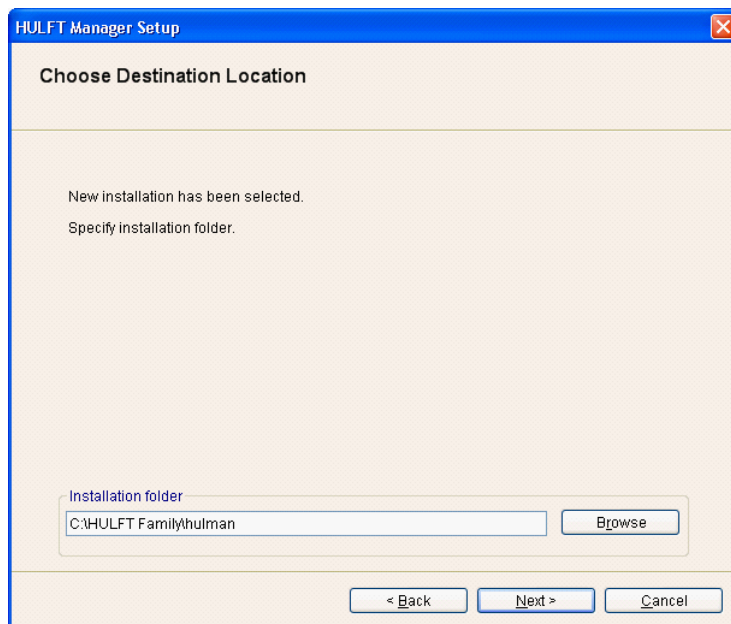
### (5) Selection of Destination Location (New Installation)

For the new installation, specify the Installation folder on the dialog box read 'Choose Destination Location.'

The following path is set by default:

*Installation Drive:\HULFT Family\hulman*

If you intend to change the Installation folder to another, enter the path directly in the text box, or click [Browse] to select a target folder.



Confirm that the path specified in the Installation folder is correct, and click [Next].



## (6) Selection of Destination Location (Update Installation)

For the update installation, specify the Update installation folder, the Original installation folder, and the Original version on the dialog box read 'Choose Destination Location.'

[Remarks] The Original installation folder is the folder in which HULFT Manager has already been installed.

First of all, enter the new installation destination of HULFT Manager in the Update installation folder. Enter the path directly in the text box, or click [Browse] to select a target folder.

Secondly, specify the Original installation folder, and select the Original version from the pulldown list.

**HULFT Manager Setup**

**Choose Destination Location**

Update installation folder has been selected.  
Specify update installation folder, original installation folder, and original version.

Update installation folder  
C:\HULFT Family\hulman

Original installation folder  
C:\HULFT Family\HULFT Manager635

Original version  
V6.3.1-V6.3.x ▼

< Back    Next >    Cancel

Confirm that the values specified in respective fields are correct, and click [Next].

**[Note]** You cannot specify the identical folder for the Update installation folder and the Original installation folder, when you carry out the upgrade installation such as the upgrade from V6 to V7. In such case, specify a separate folder for these fields, respectively.

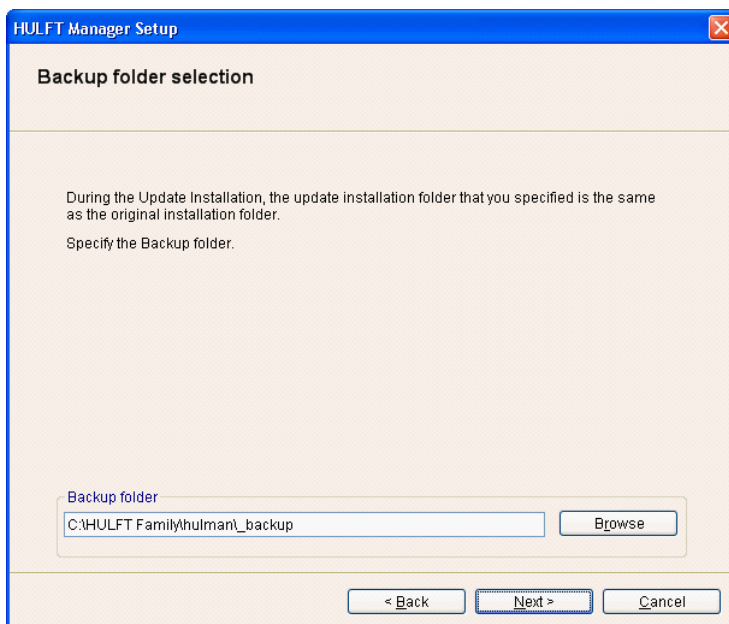
## HULFT Manager

If you specify the identical folder for the Update installation folder and the Original installation folder, the dialog box read 'Backup folder selection' is displayed.

The following path is set by default:

*Installation Drive:\HULFT Family\hulman\\_backup*

If you intend to change the Backup folder to another, enter the path directly in the text box, or click [Browse] to select a target folder.

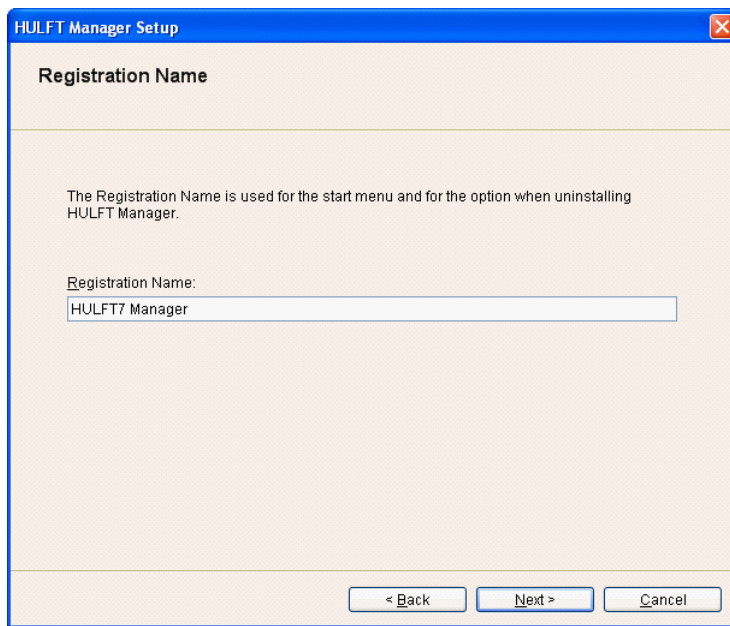


Confirm that the path specified in the Backup folder is correct, and click [Next].

### (7) Setting of Registration Name

The dialog box read 'Registration Name' is displayed. The Registration Name is the name displayed on [Start] menu. The Registration Name is also listed on Add or Remove Programs when you uninstall HULFT Manager.

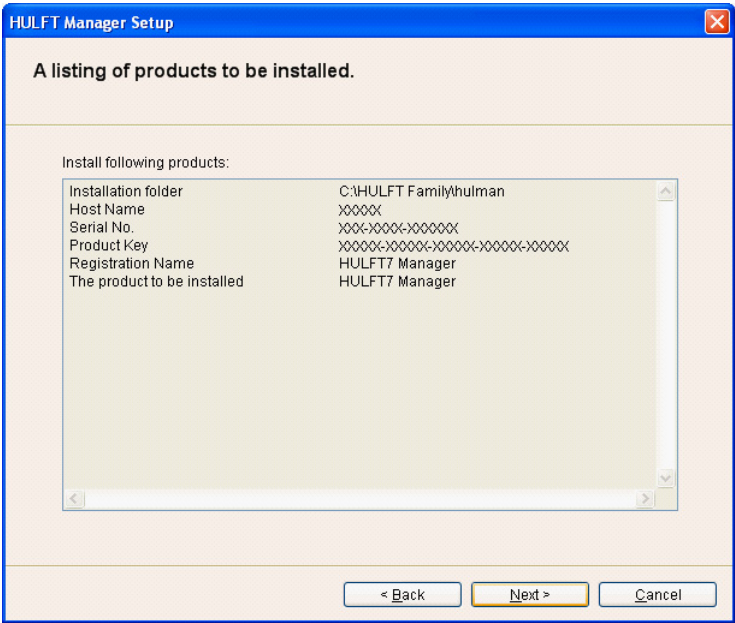
'HULFT7 Manager' is set by default. Change the default name in the text box if necessary.



Confirm that the name specified in the Registration Name is correct, and click [Next].

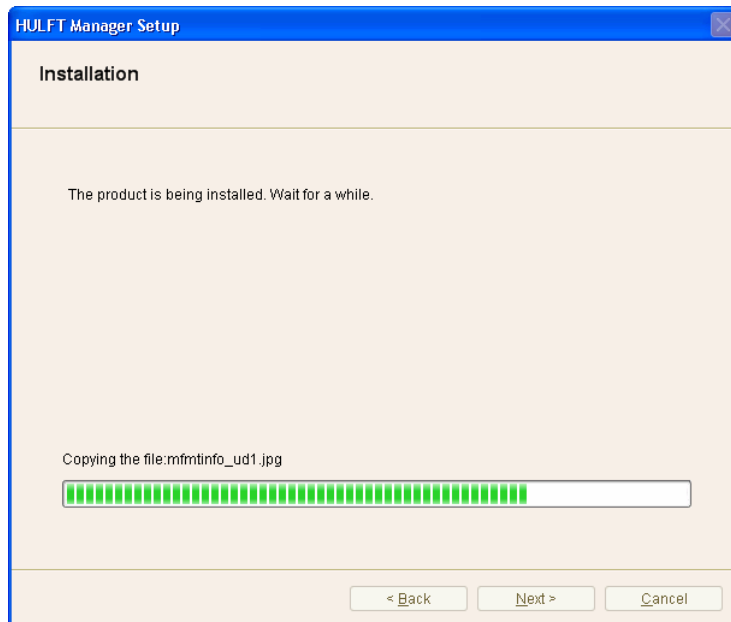
**(8) Confirmation of Installation Contents**

Confirm the contents displayed on the dialog box read ‘A listing of products to be installed.’ If the information is correct, click [Next].



## (9) Installation Processing

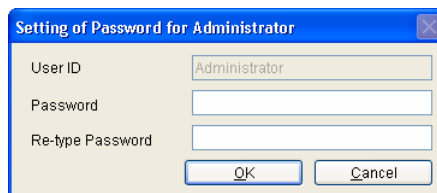
The following dialog box is displayed while the installation is in progress:



Confirm that the copy of files is completed, and click [Next].

## (10) Setting of Password for Administrator

The Setting of Password for Administrator dialog box is displayed. The Administrator is an administrative user who can use all functions of HULFT Manager. For example, the Administrator can manage users of HULFT Manager (such as the registration of users, the setting of permissions for each user and the like) and set the system environment. (such as the settings related to the Login and the Operation Log)

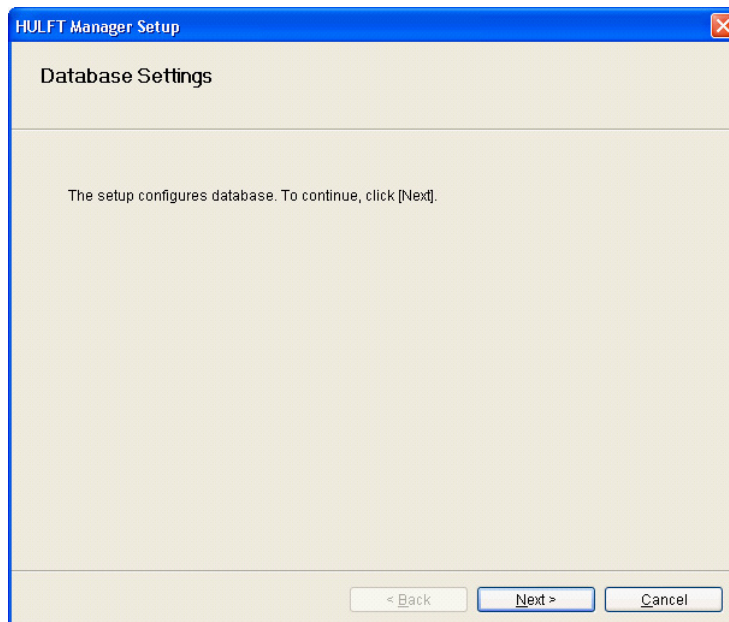


Enter a password for the Administrator in alphanumeric characters from 8 to 32 digits. Next, enter the same password in the Re-type Password, and click [OK].

**[Note]     Make sure you complete the fields of password, because you cannot skip these fields.**

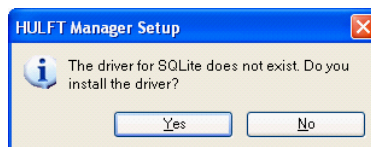
### (11) Setting of Database

Start setting of database as part of the installation.



Click [Next].

When the driver of SQLite does not exist, the following message is displayed:

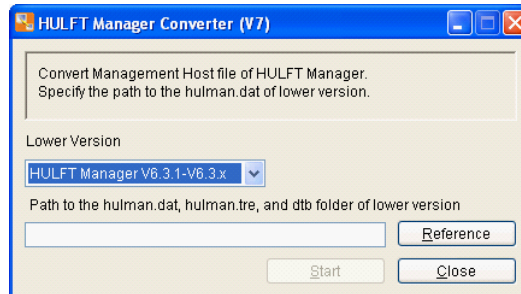


Click [Yes] to start up the installer of SQLite. For the details on how to install SQLite, refer to “2.2 Installation of SQLite.”

## (12) Conversion Processing (Update Installation)

For the update installation, HULFT Manager Converter (V7) dialog box is displayed.

[Remarks] The conversion allows you to take over the information of destination hosts registered on the original version of HULFT Manager to the new version of HULFT Manager. Click [Close] to skip the conversion.



Select the original version of HULFT Manager from the pulldown list of the Lower Version.

- Switchover from HULFT Manager Ver.1 or Ver.2  
Select 'HULFT Manager V1, V2' from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.5.0  
Select 'HULFT Manager V5.0' from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.5.1 or Ver.5.2  
Select 'HULFT Manager V5.1, V5.2' from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.6.0, Ver.6.1, or Ver.6.2  
Select 'HULFT Manager V6.0, V6.1, V6.2' from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.6.3.0  
Select 'HULFT Manager V6.3.0' from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.6.3.1, Ver.6.3.2, Ver.6.3.3, Ver.6.3.4, Ver.6.3.5, Ver.6.3.6, or Ver.6.3.7  
Select 'HULFT Manager V6.3.1-V6.3.x' from the pulldown list of the Lower Version.

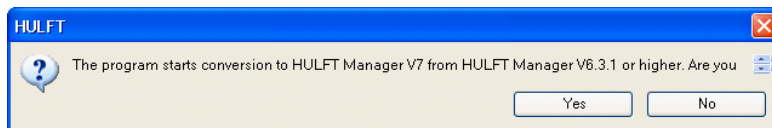
**[Note] When you select the incorrect version from the pulldown list of the Lower Version, the conversion cannot be performed properly.**

Next, enter the path of the folder in which the original version of HULFT Manager is stored directly in the text box, or click the [Reference] to select the target folder.

## HULFT Manager

Click the [Start]. A dialog box that asks whether to start the conversion or not is displayed. Click the [Yes] to execute the conversion.

The following is the example of a dialog box to be displayed:

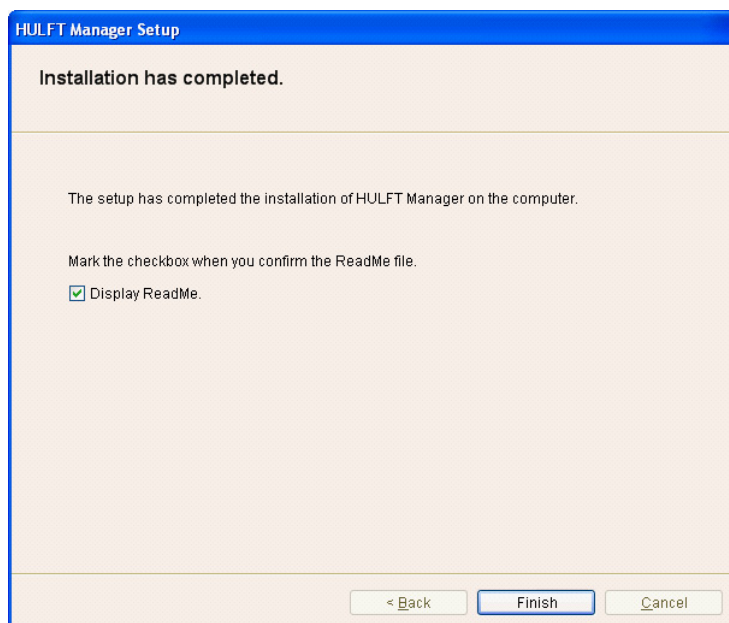


Confirm that the conversion is completed, and click the [Close] on HULFT Manager Converter (V7) dialog box. Click [Next] on the dialog box read 'Convert.'

**[Note] If you carried out the conversion, complete the installation of the new version, and start up HULFT Manager to confirm that the environment of the original version is taken over successfully.  
For details, refer to “9.2.2 (4) Confirmation of Conversion Result.”**

### (13) Completion of Installation

The dialog box read 'Installation has completed.' is displayed. The Readme file explains the information that is not described in this document and *the Online Help*. Therefore, make sure to confirm the description of the Readme file.

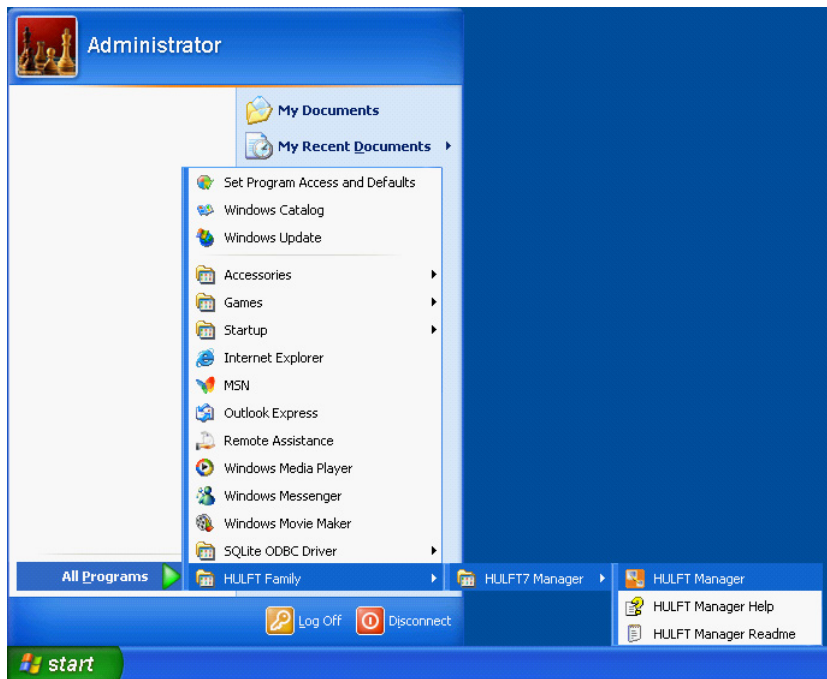


Click [Finish] to terminate the setup program.



**(14) Creation of Shortcut**

The shortcut of HULFT Manager is created in [Start] > [All Programs] after the installation is completed.



[Remarks] The name of 'All Programs' may vary depending on the OS types.

## 2.2 Installation of SQLite

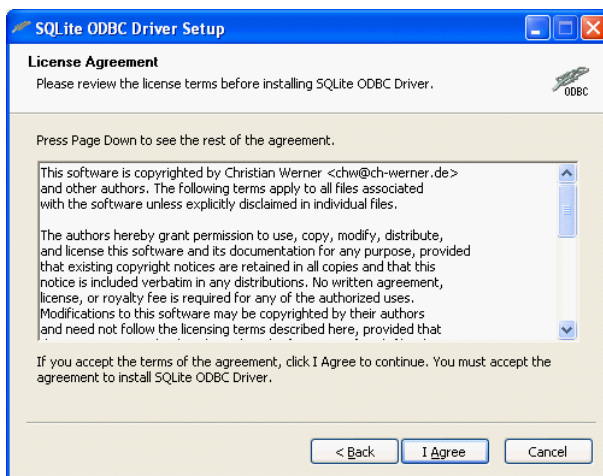
### (1) Startup of Installer

When the installer of SQLite ODBC Driver is started, the dialog box shown below is displayed.  
Click Next.



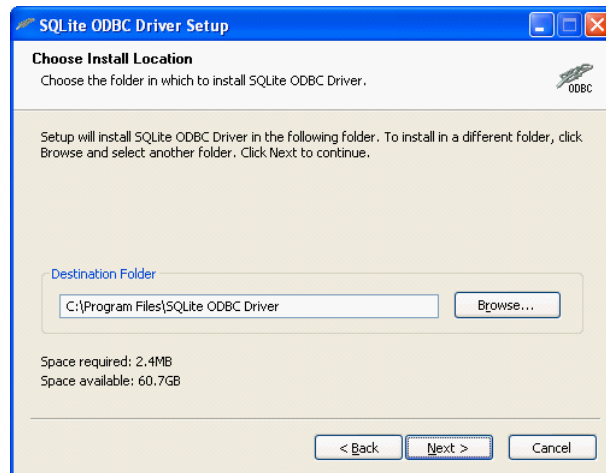
### (2) Confirmation of License Agreement

A dialog box that asks whether to accept the license agreement of SQLite ODBC Driver or not is displayed.  
Read the entire license agreement. If you accept the terms of the agreement, click I Agree.



### (3) Selection of Install Location

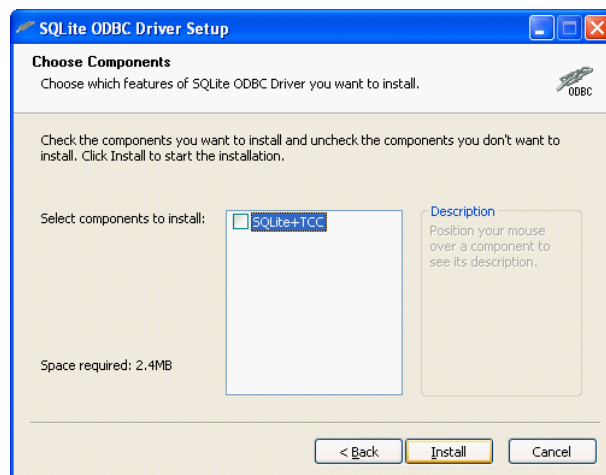
Specify the Destination Folder of SQLite ODBC Driver. Generally, there is no need to change the default value. If you change the installation location, enter the path directly in the text box, or click Browse to select a target folder.



Confirm that the path specified in the Destination Folder is correct, and click Next.

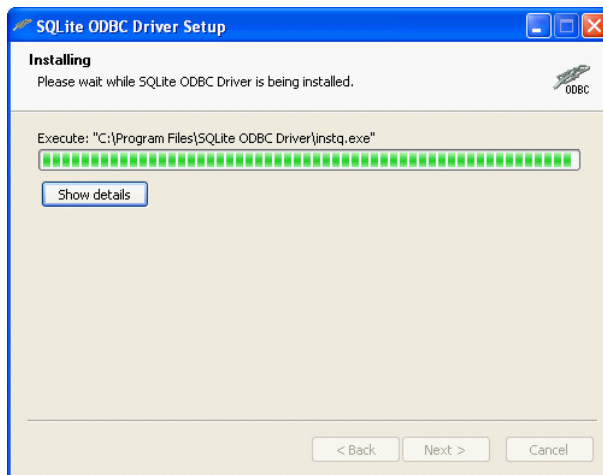
### (4) Selection of Component

A dialog box on which you select the components to be installed is displayed.  
Click Install without selecting anything on this dialog box.



### (5) Installation Processing

The following dialog box is displayed while the installation is in progress:



### (6) Completion of Installation

When the installation is finished, the following dialog box is displayed:



Click Finish to complete the installation of SQLite ODBC Driver.

## **Chapter 3**

# **Setting of Destination HULFT**

This chapter explains how to set the destination HULFT.

## 3.1 Registration Procedure

To connect to each host by using HULFT Manager, it is required to set the destination HULFT. Note that the setting fields vary slightly depending on the types of destination hosts and the version of HULFT. Setting should be carried out before starting HULFT at the destination.

### 3.1.1 Installation of HULFT ManagerConnection Option

Confirm that HULFT ManagerConnection Option has been installed on HULFT of destination host. When using HULFT Manager, it is necessary to install HULFT ManagerConnection Option on the destination host.

[Remarks] Regarding the following applications, namely, HULFT for Windows, HULFT-SAN for Windows, and HULFT PPP Client Ver.5.0 or higher include HULFT ManagerConnection Option as a standard feature, therefore confirmation is not necessary. For confirmation method of other host types, refer to the relevant HULFT manuals of each host type.

### 3.1.2 Registration in Host Information

When connecting to HULFT for K of Ver.1.1.1 or lower, register the local host name (host name of the machine in which HULFT Manager has been installed) and the IP address in HULFT Host Information of destination host. Regarding HULFT for K of Ver.1.1.2 or higher, you need not register the name and address.

When connecting to other host types, there is no need for registration.

[Note] **When you set a password, or use the Management Screen Security function, it is required to specify the setting of the Password Check and user information on HULFT of the destination host. For details, refer to the relevant HULFT manuals of each host type.**

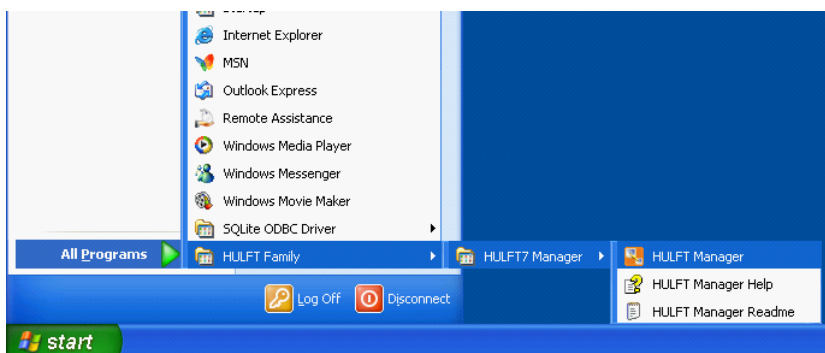
## **Chapter 4**

# **Startup Method of HULFT Manager**

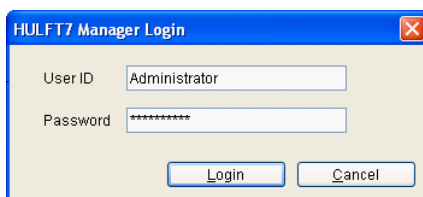
This chapter explains how to start HULFT Manager.

## 4.1 Startup Procedure of HULFT Manager

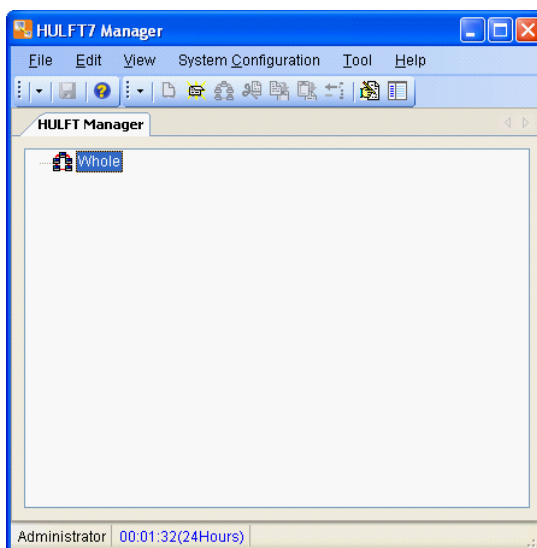
From [Start] menu, select [All Programs]. Click [HULFT Family] to select [*Registration Name you set during the installation*], and click [HULFT Manager].



The login dialog box is displayed. Enter the User ID and the Password of the Administrator that you registered at the time of installation, and click the [Login].



When HULFT Manager is started, HULFT Manager main screen is displayed.





# Chapter 5

## Operation Method

This chapter explains the basic operation of HULFT Manager.

As an operation test after installation, carry out a series of procedures from startup of HULFT Manager, connection to destination hosts, through termination of HULFT Manager in accordance with the description of this chapter.

## 5.1 Startup of HULFT Manager

Start HULFT Manager.

For the details on how to start HULFT Manager, refer to “4.1 Startup Procedure of HULFT Manager.”

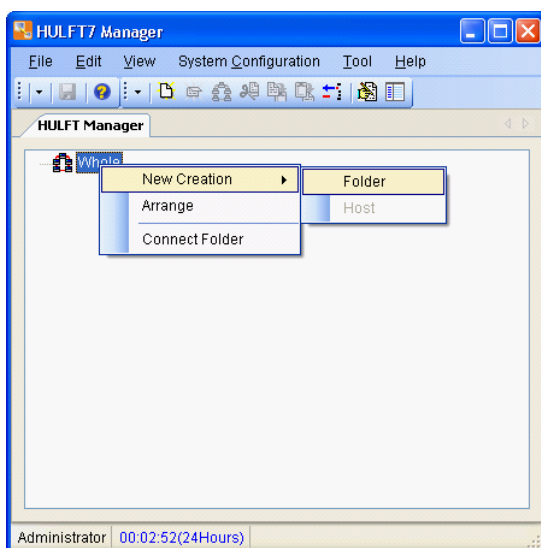
## 5.2 Registration of Destination Host

Set and register the information required for connecting to the hosts on which HULFT has been installed on HULFT Manager main screen.

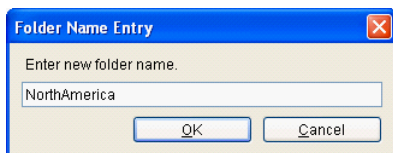
### 5.2.1 Creation of Folder

At first, create a folder to manage the information of destination hosts.

Select and right-click the Whole folder on HULFT Manager main screen. The context menu of the Whole folder is displayed. From the context menu, select the New Creation, and click the Folder.



The Folder Name Entry dialog box is displayed.

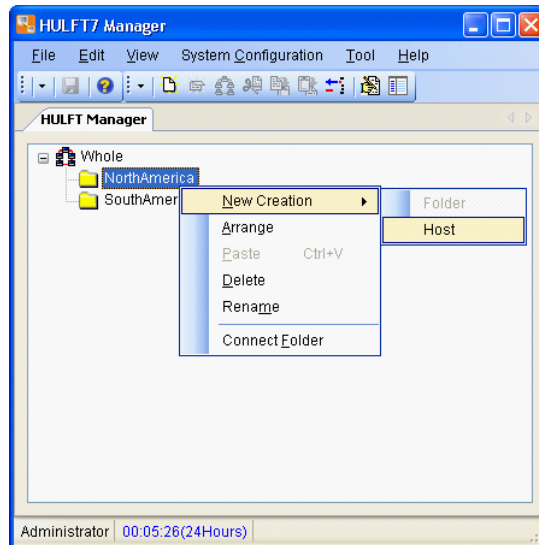


Enter any folder name, and click the [OK]. Specify the folder name within 24 bytes. The new folder is added to the Whole folder.

## 5.2.2 Registration of Destination Host Information

Register the information of destination hosts connected via LAN.

Select and right-click the folder in which destination hosts will be registered. The context menu of the folder is displayed. From the context menu, select the New Creation, and click the Host.



The Management Host Information - New Creation dialog box is displayed.

The following is the explanation of each field:

### Host Name:

The field to set any name to identify the destination host

### Connection Method:

The field to select the method of connection to the destination host

- Use Host Name to connect
- Use IPv4 Address to connect
- Use IPv6 Address to connect
- Use Host Name to connect (IPv4)
- Use Host Name to connect (IPv6)

**Notify User Details:**

The field to select whether to notify the login user information of HULFT Manager to the connected host or not when the operation to the host is carried out

**IPv4 Address:**

The field to specify the destination IP address when using the IPv4 address for connection

**IPv6 Address:**

The field to specify the destination IP address when using the IPv6 address for connection

**Request Acknowledge Port No.:**

The field to specify the Request Acknowledge Port No. of HULFT which runs on the destination host

**Comment:**

The field to enter any comment on the destination host

**Max. Retrieval Cases:**

The field to set the maximum number of records which are displayed on a list on each screen

**Refreshing Interval:**

The field to specify the refreshing interval when the displayed information on each screen is updated automatically

**Connect ID:**

The field to set any name to identify the destination host when the Batch Distribution or each utility program is used

**User Name:**

The field to specify the name of user when the Batch Distribution or each utility program is used for the host on which the Password Check is enabled

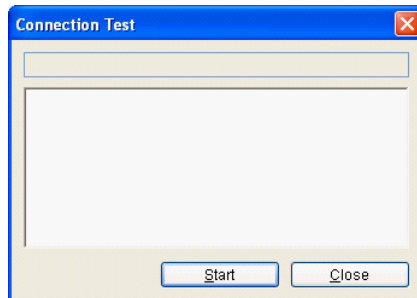
**Password:**

The field to specify the password when the Batch Distribution or each utility program is used for the host on which the Password Check is enabled

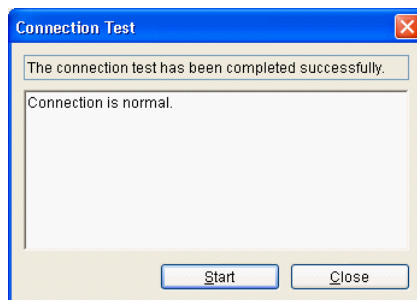
**Mapping Settings:**

The fields to set the relation between the User ID of HULFT Manager and the User ID of HULFT

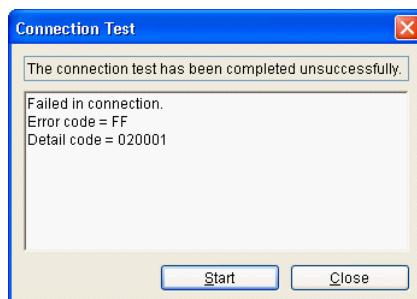
Set the information of the destination host, and click the [Connection Test]. The Connection Test dialog box is displayed. Next, click the [Start] to begin the Connection Test.



When the Connection Test is completed successfully, the information shown below is displayed:



Meanwhile, when the Connection Test fails, the error information shown below is displayed:



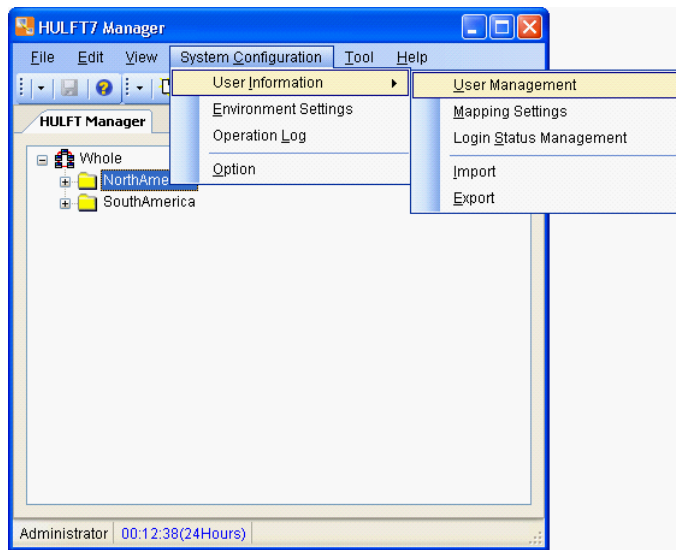
Click the [Close] to return to the Management Host Information - New Creation dialog box, and click the [OK]. The destination host information you set is registered on HULFT Manager.

## 5.3 User Settings of HULFT Manager

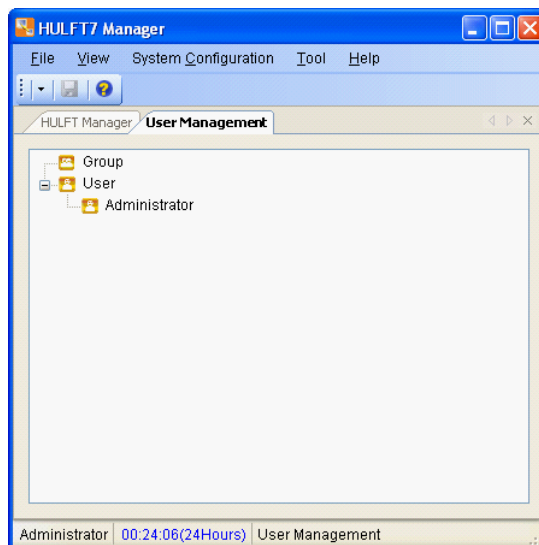
With HULFT7 Manager or higher, only the users who have been registered beforehand can start HULFT Manager. This section explains how to register the information of users who use HULFT Manager and to correlate the users of HULFT Manager with the users of HULFT. (the Mapping) Read this section when the registration of HULFT Manager users other than the Administrator is necessary, or the Management Screen Security function is enabled on the destination host.

### 5.3.1 Registration of User Information

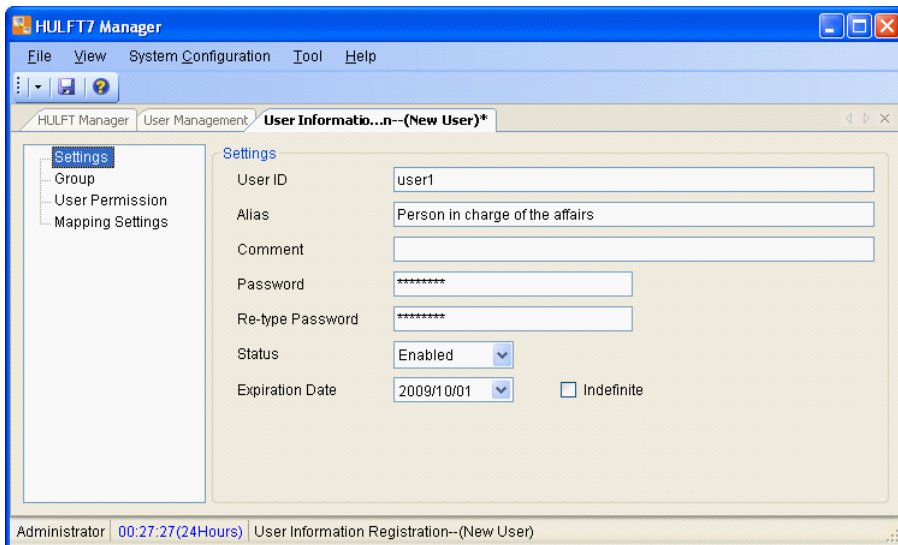
From the [System Configuration] menu on HULFT Manager main screen, select the [User Information], and click the [User Management].



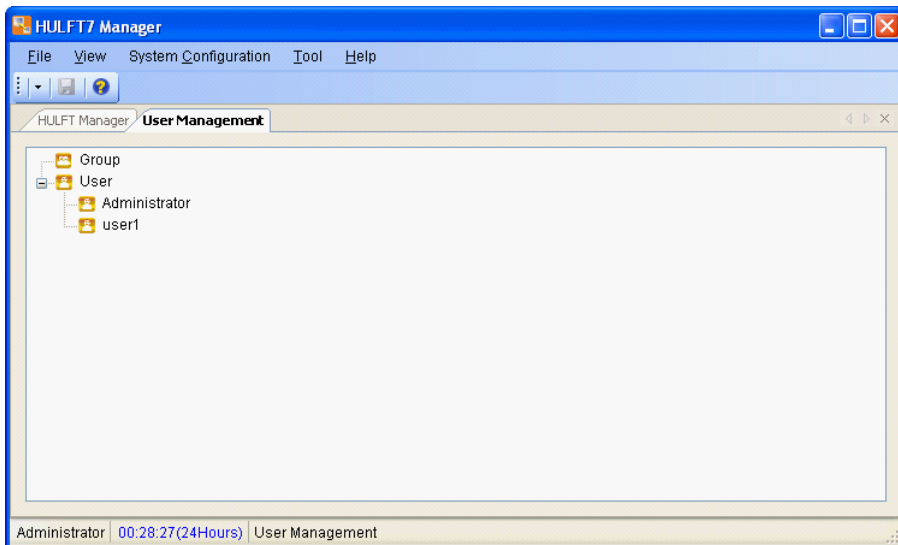
The User Management screen is displayed. At this time, only the Administrator you set during the installation is displayed.



Right-click the User icon on the screen, and click the New User to register a user other than the Administrator. An example of creating 'user1' is given below:

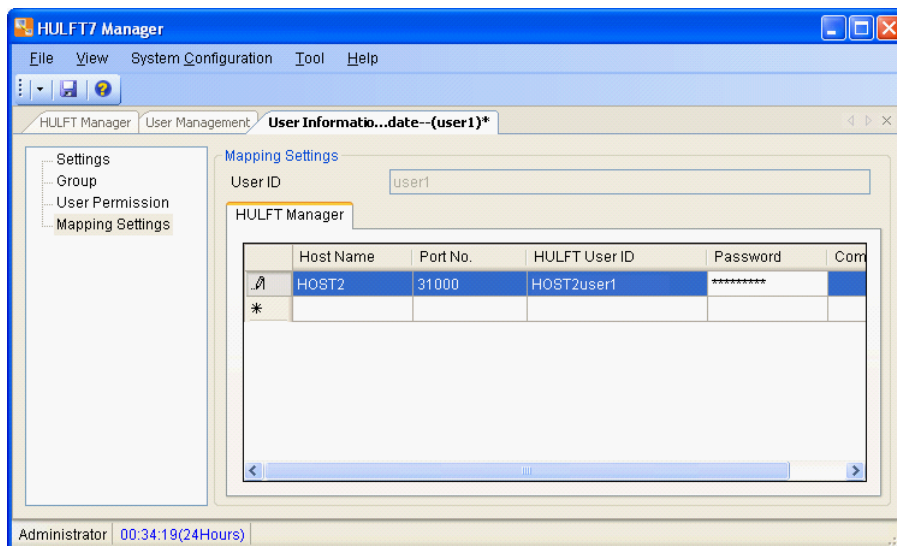


Enter the necessary information, and click the [Save] (the floppy disk icon) on the upperleft of the screen to save the information. The added 'user1' is displayed in tree structure on the User Management screen.



### 5.3.2 Mapping Settings

When you double-click the newly created 'user1,' the User Information is displayed. The Settings, the Group, the User Permission, and the Mapping Settings are displayed on the left side of the screen. Click the Mapping Settings. The following example shows the 'user1,' who is a user of HULFT Manager, is related with (mapped to) 'HOST2user1,' who is a user registered in 'HOST2' of the destination host (HULFT):



Enter the necessary information, and click the [Save] (the floppy disk icon) on the upperleft of the screen to save the information.

**[Note]** When the Management Screen Security function is enabled, the Mapping Settings are required. Obtain the User ID and the Password for each HULFT of all HULFT Manager users beforehand. If you register the incorrect information, connections to HULFT cannot be established.



## 5.4 Remote Connection

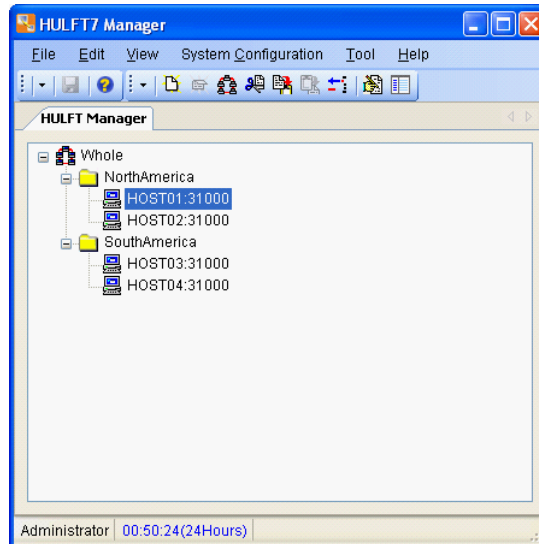
### 5.4.1 Connection to Host

Connect to one of the registered hosts.

#### (1) Selection of Host Name to be Connected

Double-click the host name that you intend to connect on HULFT Manager main screen.

It may take some time to connect to the destination host depending on the state.



[Note] If an error occurs, confirm that;

- **HULFT ManagerConnection Option has been installed on HULFT of the destination host to be connected from HULFT Manager.**
- **the Request Acknowledge process of HULFT on the destination host has been started.**
- **the IP address and the Request Acknowledge Port No. you set on the Management Host Information dialog box are correct.**
- **the TCP/IP setting is correct.**

[Remarks] If you have configured the user settings for the Password Check and the Management Screen Security functions on HULFT of the destination host, click the [Mapping Settings] on the Management Host Information - New Creation dialog box to specify the relation between the User ID of HULFT Manager and the User ID of HULFT.

**Management Host Information - Edit**

Host Name: HOST01

Connection Method: Use Host Name to connect (IPv4) Notify User Details: No

IPv4 Address: Request Acknowledge Port No.: 31000

IPv6 Address: Connection Test

Comment:

Max. Retrieval Cases: 100 Rows Refreshing Interval: 0 min.

Connection Information

Connect ID: ID01

User Name: Password:

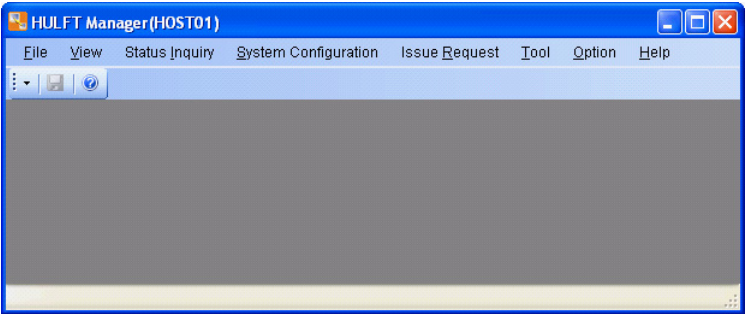
Mapping Settings

|    | Manager User ID | HULFT User Name | Password | Comment |
|----|-----------------|-----------------|----------|---------|
| ▶1 | Administrator   | user01          | *****    |         |
| *  |                 |                 |          |         |

OK Cancel Apply

**(2) Display of Destination Host Screen**

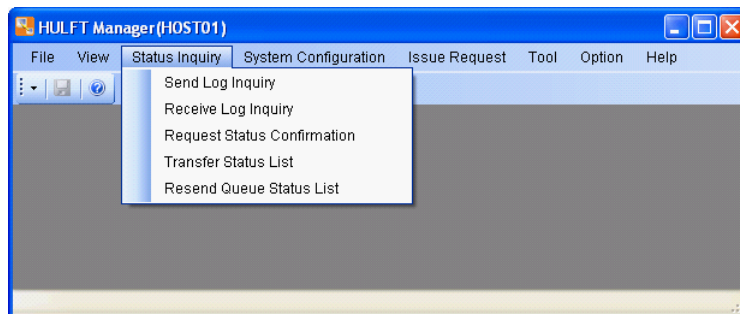
When the connection is established successfully, the following screen of the destination host is displayed:



### (3) Search and Deletion of Log Information

Select the [Status Inquiry] menu on the destination host screen.

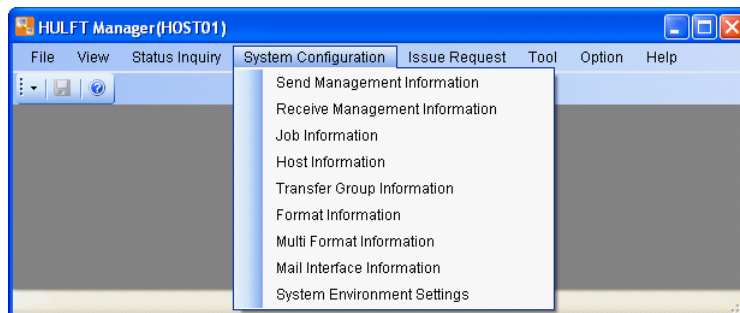
From the [Status Inquiry] menu, you can search or delete the records of the Send Log, the Receive Log, the Request Acknowledge Log, the Transfer Status List, the Resend Queue Status List and the like.



### (4) Registration, Update, and Deletion of Management Information

Select the [System Configuration] menu on the destination host screen.

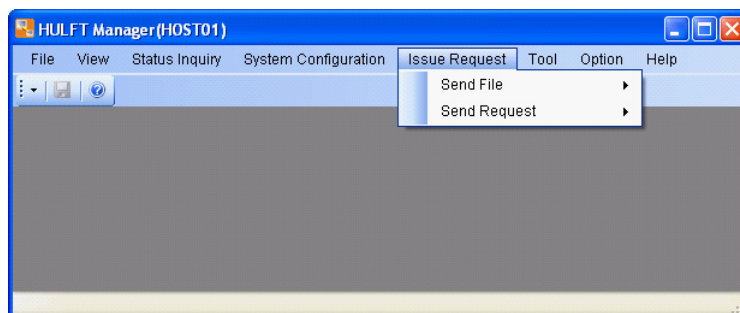
From the [System Configuration] menu, you can register, update, and delete the data of the Send Management Information, the Receive Management Information, the Job Information, the Host Information, the Transfer Group Information, the Format Information, the Multi Format Information and the like.



### (5) Issue of Request

Select the [Issue Request] menu on the destination host screen.

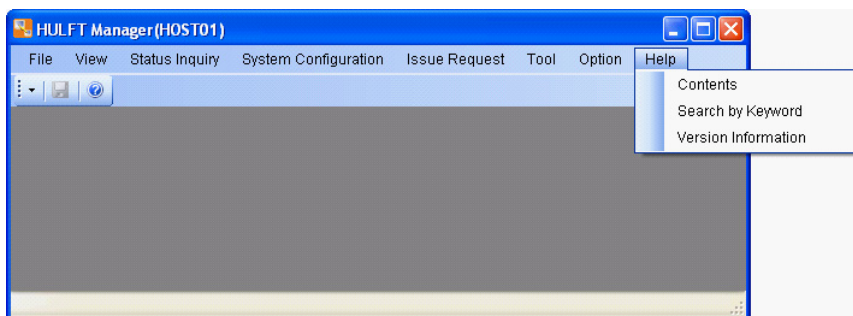
From the [Issue Request] menu, you can issue the Send File, the Resend File, the Send Request, and the Resend Request.



### (6) Help

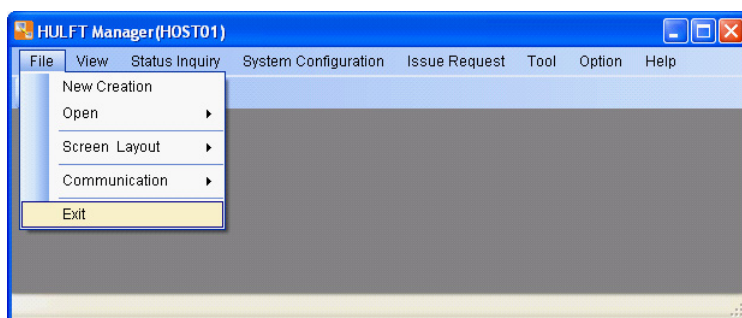
Select the [Help] on the destination host screen.

From the [Help] menu, you can view *HULFT Manager Online Help* and the Version Information of HULFT Manager.



### 5.4.2 Termination of Host Connection

From the [File] menu on the destination host screen, click the [Exit].



The communication with the connected host is cut off, and the destination host screen is closed.

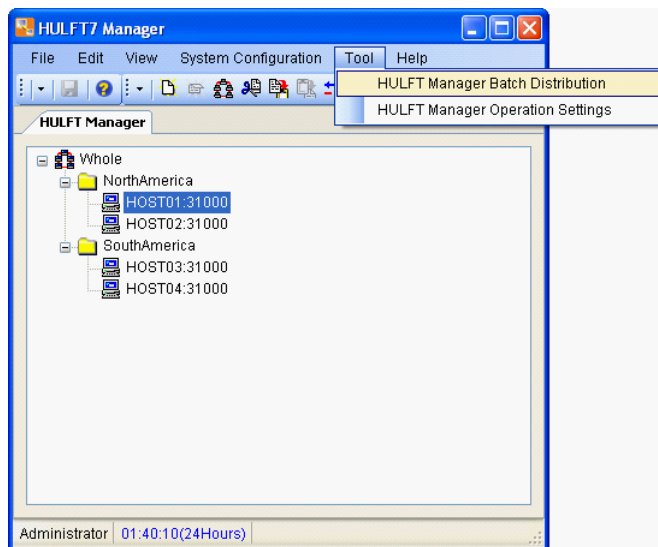
## 5.5 Batch Distribution Function

You can acquire the system management information of the same type hosts that are located in remote places, or distribute the information to such hosts concurrently by using the Batch Distribution function of HULFT Manager.

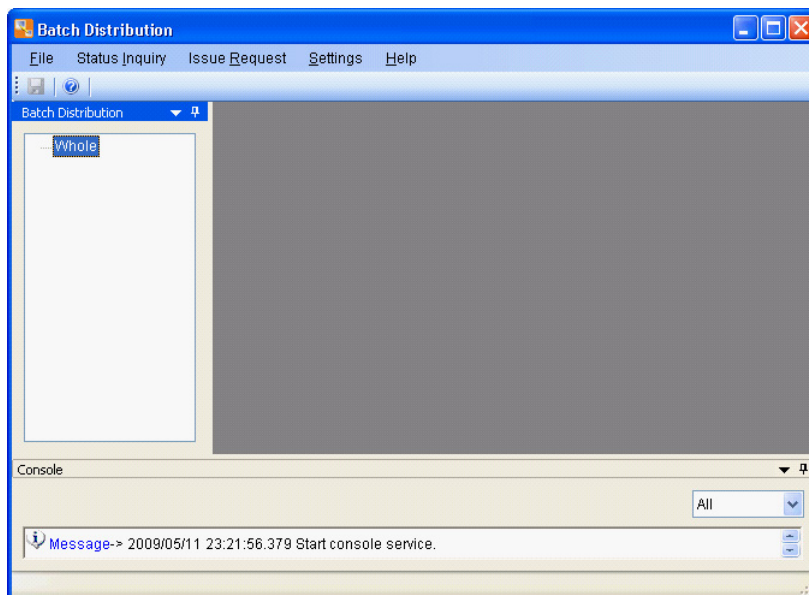
For the details on the function and the operation method, refer to *HULFT Manager Online Help*.

### 5.5.1 Startup of Batch Distribution Function

From the [Tool] menu on HULFT Manager main screen, click the [HULFT Manager Batch Distribution].



The following Batch Distribution screen is displayed:



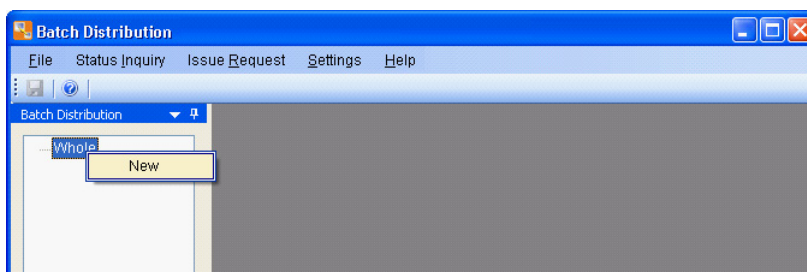
## 5.5.2 Setting of Distribution Group

Configure and register the information required for the Batch Distribution and the acquisition processing.  
Set the Distribution Group ID for acquisition and distribution.

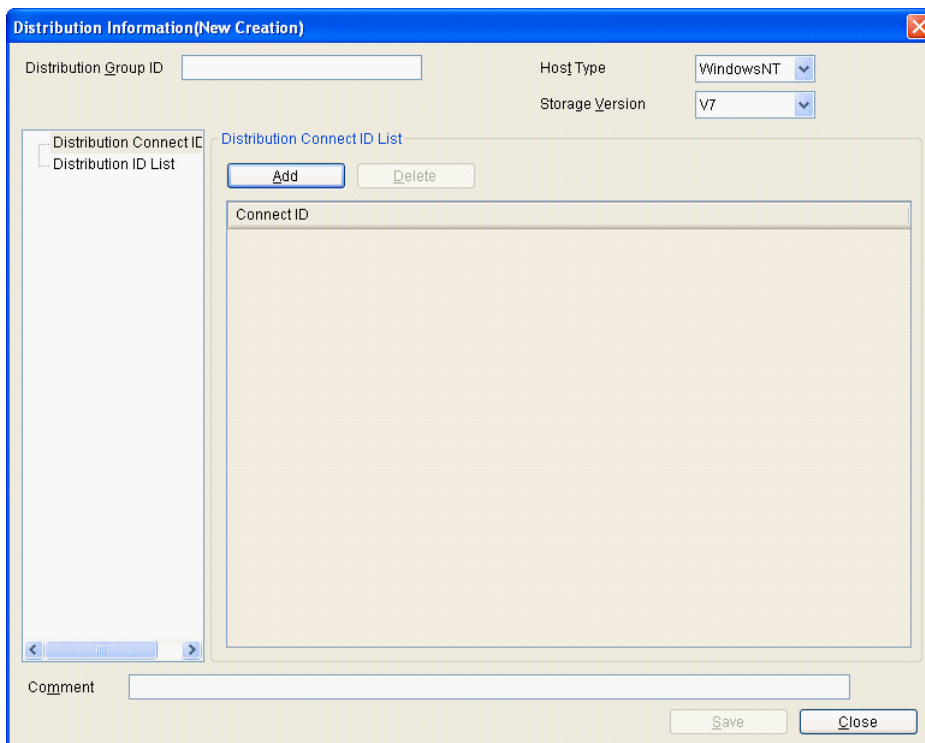
### (1) New Creation

Set the Distribution Group ID for acquisition.

Right-click the Whole on the Batch Distribution tree to display the context menu. From the menu, select the New.



The following Distribution Information (New Creation) dialog box is displayed:



The following is the explanation of each field:

**Distribution Group ID:**

The field to set any name to identify the Distribution Group

**Host Type:**

The field to select the type of host

**Storage Version:**

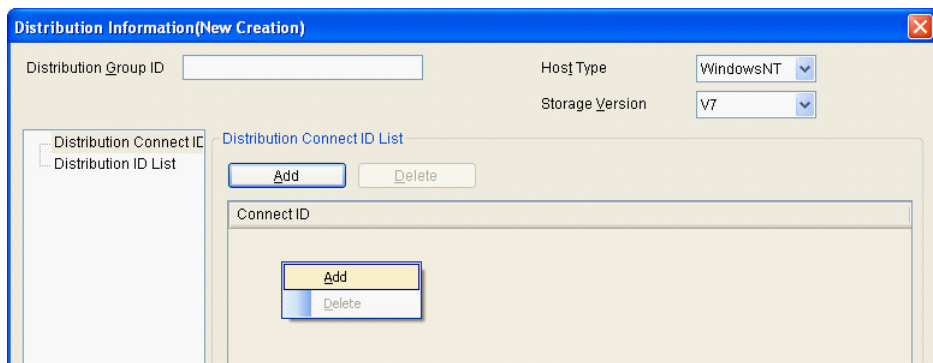
The field to select the version of HULFT which is installed on the host registered in the Distribution Group ID

**Comment:**

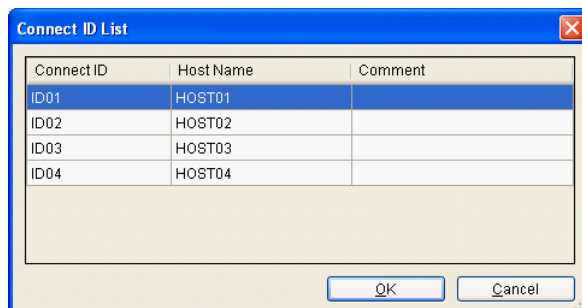
The field to enter any comment for the Distribution Group ID, which should be specified within 60 bytes (Optional)

**(2) Setting of Connect ID**

Select the Distribution Connect ID List on the Distribution Information (New Creation) dialog box. Next, right-click on the Distribution Connect ID List to display the context menu. From the menu, select the Add.



The Connect ID List dialog box shown below is displayed. Select a Connect ID, and click the [OK].



**[Note]** It is required that the Connect ID has been set in the Connection Information of the destination host on HULFT Manager main screen. From the context menu of the host, display the Management Host Information dialog box, and confirm the settings.

### (3) Setting of Distribution ID

Select the Distribution ID List on the Distribution Information (New Creation) dialog box. From the Information Type, select each type of information to be distributed, and click the [Add to List].

| Information Type   | Processing Type | Target Type |
|--------------------|-----------------|-------------|
| Send               | Update          | All         |
| Receive            | Update          | All         |
| Job                | Update          | All         |
| Host               | Update          | All         |
| Transfer Group     | Update          | All         |
| Format             | Update          | All         |
| Multi Format       | Update          | All         |
| Mail Interface     | Update          | All         |
| Schedule           | Update          | All         |
| System Environment | Update          | All         |

The following is the explanation of each field:

#### Information Type:

The field to select types of the management information to be distributed

#### Processing Type:

The field to select the processing type of the management information ID

- Update: The option for update or new registration
- Delete: The option for deletion

#### Target Type:

The field to select the target management information specified in the Information Type

- All: The option to distribute all the management information ID
- ID: The option to distribute the management information of the designated ID
- The input box of ID: The field to specify the ID registered in the management information which is selected in the Information Type

#### Comment:

The field to enter any comment for the Distribution Group ID, which should be specified within 60 bytes (Optional)



**(4) Saving of Settings**

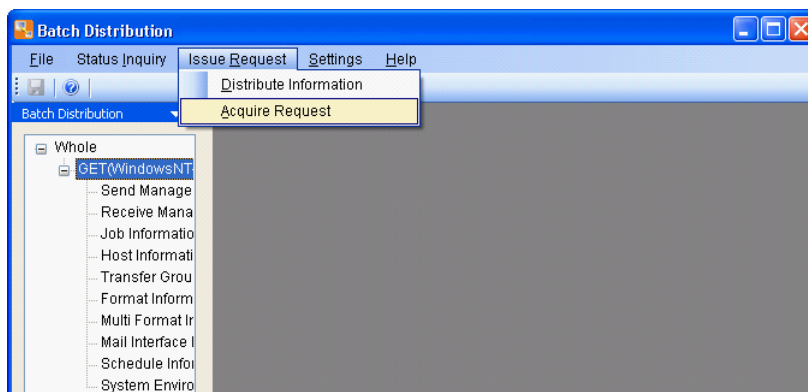
On the Distribution Information (New Creation) dialog box, specify the Distribution Group ID, the Host Type, the Storage Version, the Distribution Connect ID, and the Distribution ID. Next, click the [Save]. The settings of the Distribution Group are saved on HULFT Manager.

Repeat the procedures from (1) to (4) to set the Distribution Group ID for distribution.

### 5.5.3 Acquisition of Management Information

Acquire the management information for the Batch Distribution. If you create or copy the management information on your own, proceed to the procedure of “5.5.4 Addition, Edit, and Deletion of Management Information.”

From the [Issue Request] menu on the Batch Distribution screen, click the [Acquire Request].



The Acquire Request - Batch Distribution dialog box is displayed. Enter the necessary fields, and click the [Acquire] to execute the acquisition of the management information.

| ID   | Comment |
|------|---------|
| ID01 |         |
| ID02 |         |
| ID03 |         |
| ID04 |         |

The following is the explanation of each field:

**Distribution Group ID:**

The field to specify the Distribution Group ID in which the information you intend to acquire is stored

**Connect ID:**

The field to specify the Connect ID of the host which owns the information you intend to acquire

**Password (Optional):**

The field to enable the password when you have specified the Password for the Batch Distribution function

**ID (Optional):**

The field to set the ID of the information you intend to acquire

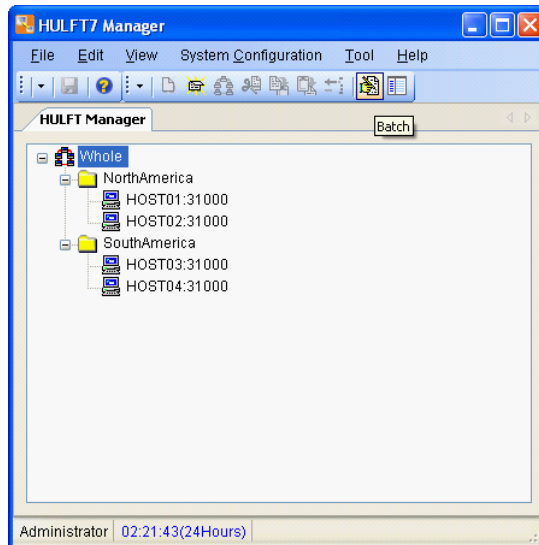
**Information Type:**

The field to specify the type of the information you intend to acquire

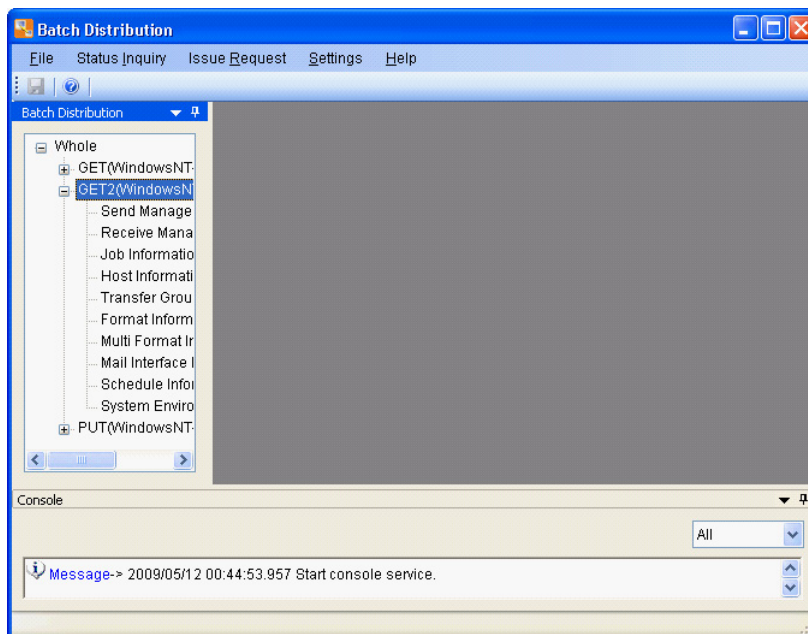
### 5.5.4 Addition, Edit, and Deletion of Management Information

This section explains how to add, edit and delete the management information for the Batch Distribution. Edit the management information by the Distribution Group ID.

On HULFT Manager main screen, click the [Batch] on the toolbar.



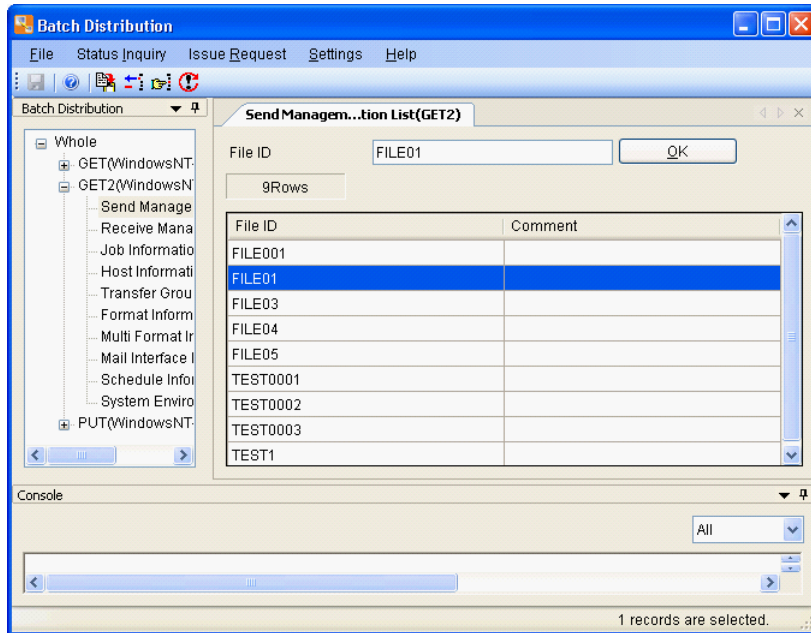
The Batch Distribution screen is displayed. From the Batch Distribution tree, select the Distribution Group ID for which you intend to add, update, or delete the management information. The types of the system management information are displayed on the tree.



From this tree, you can add, update, and delete the Send Management Information, the Receive Management Information, the Job Information, the Host Information, the Transfer Group Information, the Format Information, the Multi Format Information and the like.

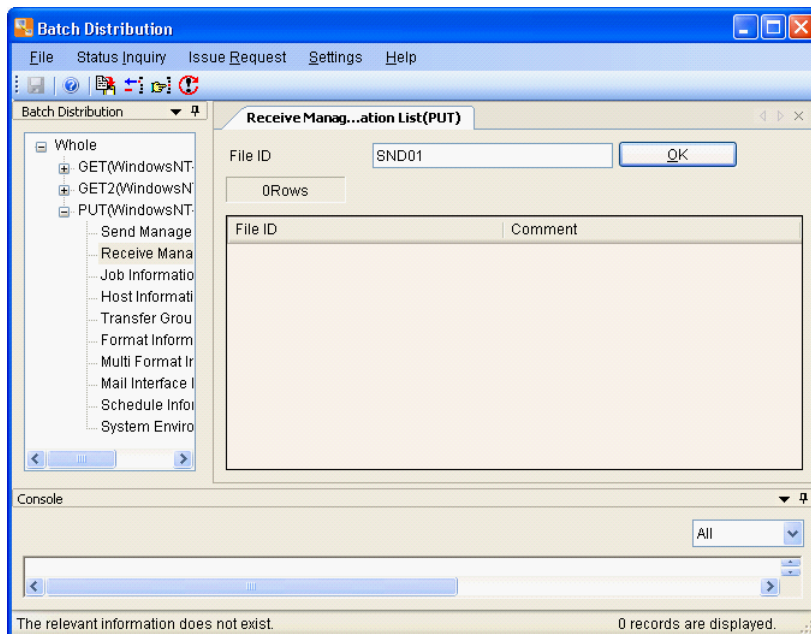
The example of updating the Send Management Information is shown below.

From the Batch Distribution tree, select the Distribution Group ID to be edited, and double-click the Send Management Information. The Send Management Information List screen is displayed. Next, select the File ID to be updated on the list screen, and update the settings. Click the [Save] on the toolbar to save the settings you updated.

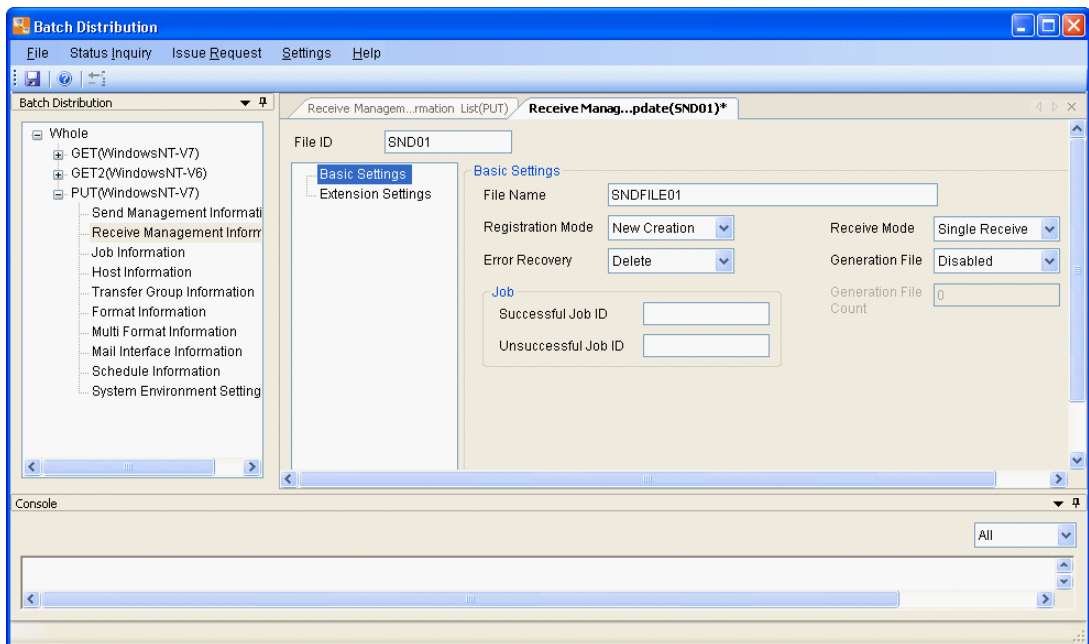


The example of newly adding the Receive Management Information is shown below.

From the Batch Distribution tree, select the Distribution Group ID to be edited, and double-click the Receive Management Information.



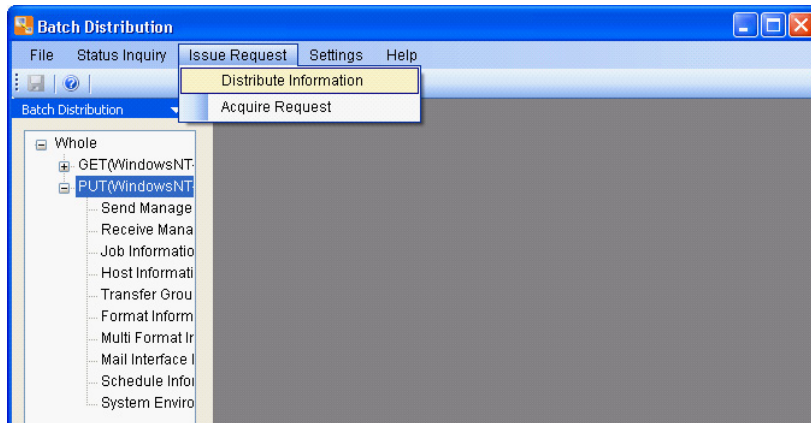
Enter the File ID of the Receive Management Information to be added newly, and enter the settings. Click the [Save] on the toolbar to save the settings you entered.



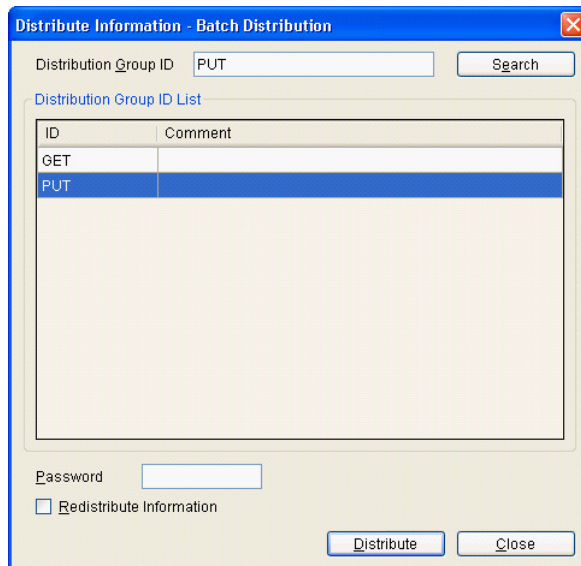
### 5.5.5 Batch Distribution of Management Information

Carry out the Batch Distribution of the management information.

From the [Issue Request] menu on the Batch Distribution screen, click the [Distribute Information].



The Distribute Information - Batch Distribution dialog box is displayed. Enter the necessary fields, and click the [Distribute] to execute the Batch Distribution of the management information.



The following the explanation of each field:

**Distribution Group ID:**

The field to specify the Distribution Group ID in which the information you intend to distribute is stored

**Password:**

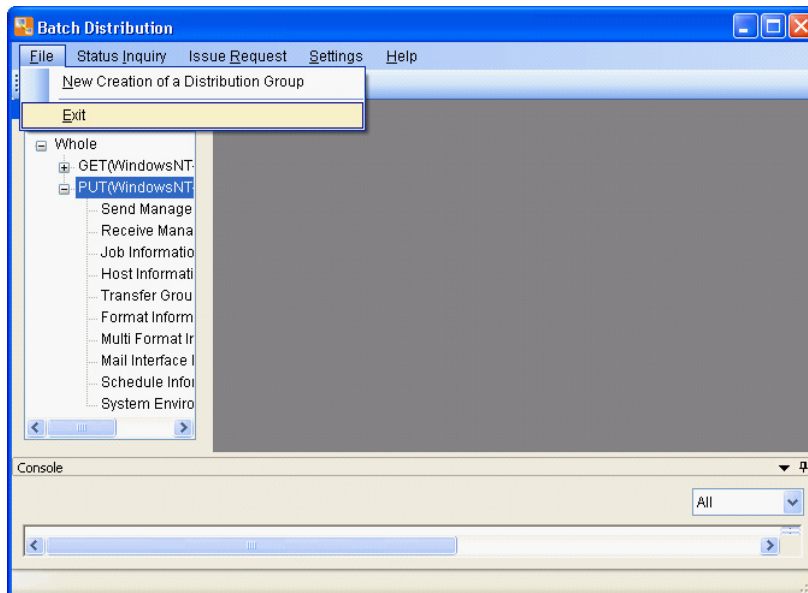
The field to enable the password when you have specified the Password for the Batch Distribution function

**Redistribute Information:**

The field to specify if you intend to redistribute the information

### 5.5.6 Termination of Batch Distribution Screen

From the [File] menu on the Batch Distribution screen, click the [Exit].



The Batch Distribution screen is closed, and the Batch Distribution function is terminated.

## 5.6 Termination of HULFT Manager

Terminate HULFT Manager. For the details on how to terminate HULFT Manager, refer to “6.1 Termination Procedure of HULFT Manager.”



## **Chapter 6**

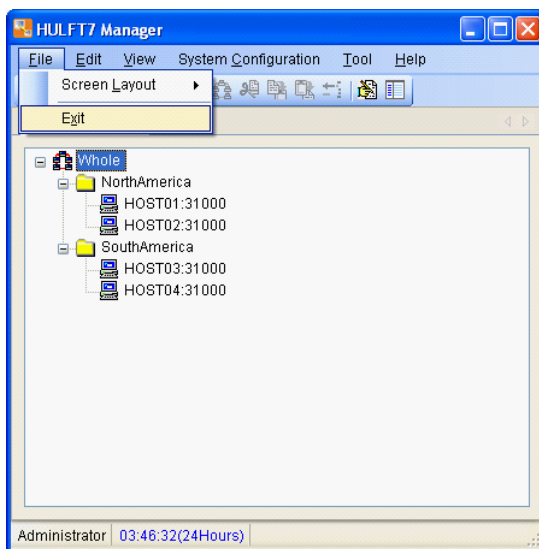
# **Termination Method of HULFT Manager**

This chapter explains how to terminate HULFT Manager.

## 6.1 Termination Procedure of HULFT Manager

From the [File] menu on HULFT Manager main screen, click the [Exit].

[Remarks] While the screen of destination host is displayed, you cannot terminate HULFT Manager. From the [File] menu on the destination host screen, click the [Exit] to terminate the screen.



HULFT Manager main screen is closed, and HULFT Manager is terminated.

[Note] When the consecutive login time exceeds the time set in the Restriction on Consecutive Login after user's login, the user is forced to log out, and return to the login dialog box. The consecutive login time is the time that a user can continuously use the system while the logged-in state is kept. The default value is '24.' (unit: hour)  
For the details, refer to *HULFT Manager Online Help*.

# Chapter 7

## Backup Method

This chapter explains how to back up the environment of HULFT Manager.

## 7.1 Backup Procedure

This section explains the procedure for backing up the environment of HULFT Manager.

It is recommended that the backup work should be performed by the user who installed HULFT Manager or by the system administrator.

**(1) Move to the folder in which HULFT Manager is installed.**

**(2) Confirm that it is the environment of HULFT Manager.**

**(3) Create a backup.**

The files to be backed up vary depending on the version of HULFT Manager.

### **When you back up the environment of HULFT Manager lower than Ver.7**

Copy the following files and folders located in the installation folder of HULFT Manager to any other folder:

- hulman.dat
- hulman.ini
- hulman.tre (Ver.5.0 or higher)
- rhst folder and RHST\*.ini in rhst folder (Ver.5.0 or higher)
- dtb folder and all files in dtb folder (When using the Batch Distribution function: Ver.5.1 or higher)
- hmppp.dat (When using the PPP connection: Ver.5.1 or higher)

### **When you back up the environment of HULFT Manager Ver.7**

Copy the following folders located in the installation folder of HULFT Manager to any other folder:

- etc
- opl
- output

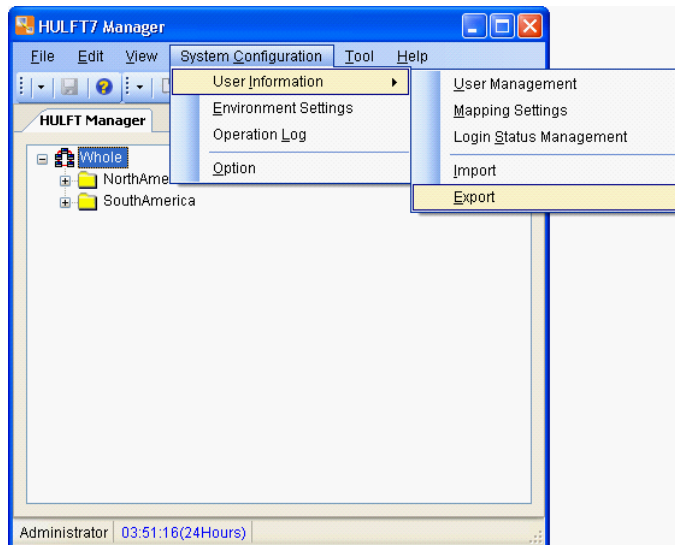
In addition, copy the files and folders listed below, which are stored in the following location, to any other folder:

*HULFT Manager installation folder*\Plugins\Hulft\_Plugin

- hulman.dat
- hulman.ini
- hulman.tre
- plugin.xml
- Setup.xml
- dtb folder and all files in dtb folder (When using the Batch Distribution function)

**When you back up the User Information in HULFT Manager Ver.7 or higher**

HULFT7 Manager or higher allows you to use the same User Information, if the User Information is backed up and the data is loaded after the upgrade installation. From the [System Configuration] menu on HULFT Manager main screen, select the [User Information], and click the [Export].



Save a backup file with any name. The file is output in the XML format and the Password of the user is encrypted.

**(4) Confirm that a backup is created.**

Confirm that all files and folders to be backed up are copied.

The backup work is now completed.

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Chapter 8

Switchover from Trial Version to Product Version

This chapter explains how to switch over from HULFT Manager Ver.7 Trial version to the Product version, along with transferring the environment.

8.1 Preparation for Switchover

This section explains the preparation for switchover from the Trial version to the Product version.

[Note] To switch over to the Product version, each of the version, level, and revision numbers of the target Product version should be consistent with those of the Trial version, respectively.

(1) Termination of HULFT Manager Trial Version

Make sure to terminate HULFT Manager before you start the switch-over work. You may be unable to switch over to the Product version properly if HULFT Manager is running.

For the details on how to terminate HULFT Manager, refer to “6.1 Termination Procedure of HULFT Manager.”

(2) Creation of Trial Version Data Backup

Create a backup of the Trial version. For the details on how to create a backup, refer to “7.1 Backup Procedure.”

8.2 Switchover Procedure

This section explains the procedure for switching over from the Trial version to the Product version. If you follow the procedure below, all the management information created during the trial period can be used even after the switchover.

(1) Uninstallation of HULFT Manager Trial Version

Refer to “11.1.2 Uninstallation of HULFT Manager,” and uninstall the Trial version of HULFT Manager.

(2) Installation of HULFT Manager Product Version

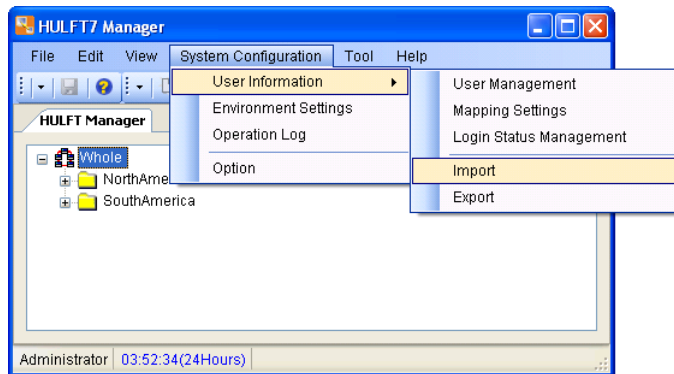
Refer to “2.1 Installation Procedure of HULFT Manager,” and install the Product version of HULFT Manager.

(3) Restoration of Backup Data

Restore the backed up folders and files to the folder that you specified at the time of installing the Product version of HULFT Manager.

(4) Restoration of User Information

If you backed up the User Information in compliance with the instruction in (3) of “7.1 Backup Procedure,” load the data to restore the User Information. From the [System Configuration] menu on HULFT Manager main screen, select the [User Information], and click the [Import].



Select the file to be imported, and click the [Open]. The import of the file is started. When the import is completed, the User Information is displayed on the User Management tree. For details, refer to *the Online Help*.

The switchover work is now completed.

~~~~~Memo~~~~~

# **Chapter 9**

## **Version Upgrade Method**

This chapter explains how to upgrade HULFT Manager from lower versions to Ver.7.

## 9.1 Preparation for Version Upgrade

First of all, read *HULFT7 New Functions and Incompatibility Manual* before you start the preparation for version upgrade. Secondly, prepare for version upgrade in accordance with the following procedure:

### (1) Termination of HULFT Manager

Make sure to terminate HULFT Manager before you start the version upgrade work. You may be unable to perform the upgrade properly if HULFT Manager is running.

For the details on how to terminate HULFT Manager, refer to “6.1 Termination Procedure of HULFT Manager.”

### (2) Backup of HULFT Manager Data

Make sure to create a backup of HULFT Manager data before you begin the version upgrade work. For the details on how to create a backup, refer to “7.1 Backup Procedure.”

### (3) Confirmation of Original Version of HULFT Manager

Confirm the original version (the version, level, or revision of HULFT Manager in use). The settings for conversion to take over the environment vary depending on the original version of HULFT Manager.

## 9.2 Version Upgrade Procedure

Complete the preparation for version upgrade, and then implement the upgrade work in accordance with the procedure explained below.

### 9.2.1 Installation of New Version

Refer to “2.1 Installation Procedure of HULFT Manager,” and install the new version of HULFT Manager.

If you select the Update Installation, the environment is converted depending on the settings of the original version so that the same environment can be used in the new version of HULFT Manager. In addition, you can perform only the conversion, if necessary.

For the details on conversion, refer to “9.2.2 Conversion of Information Files.”

## 9.2.2 Conversion of Information Files

This section explains how to execute conversion.

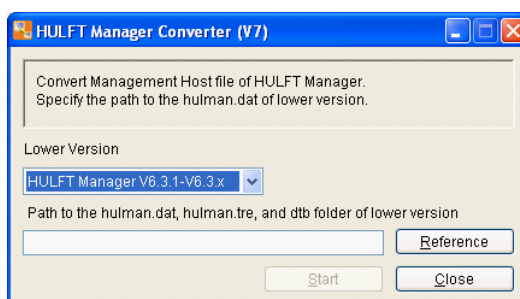
When you select the Update Installation to carry out the conversion, there is no need to start up the Converter on your own.

### (1) Startup of Converter

Activate the Converter 'HmConvert.exe' on the Explorer or the Command Prompt. The Converter is stored in the following location:

*HULFT Manager installation folder\Plugins\Hulft\_Plugin*

When you start up the Converter, the following dialog box is displayed:



### (2) Settings of Conversion

Select the original version of HULFT Manager from the pulldown list of the Lower Version.

- Switchover from HULFT Manager Ver.1 or Ver.2  
Select 'HULFT Manager V1, V2' as the original version from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.5.0  
Select 'HULFT Manager V5.0' as the original version from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.5.1 or Ver.5.2  
Select 'HULFT Manager V5.1, V5.2' as the original version from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.6.0, Ver.6.1, or Ver.6.2  
Select 'HULFT Manager V6.0, V6.1, V6.2' as the original version from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.6.3.0  
Select 'HULFT Manager V6.3.0' as the original version from the pulldown list of the Lower Version.
- Switchover from HULFT Manager Ver.6.3.1, Ver.6.3.2, Ver.6.3.3, Ver.6.3.4, Ver.6.3.5, Ver.6.3.6, or Ver.6.3.7  
Select 'HULFT Manager V6.3.1-V6.3.x' as the original version from the pulldown list of the Lower Version.

In addition specify the folder where the backup data is stored in the following field:

Path to the hulman.dat, hulman.tre, and dtb folder of lower version

Enter the path directly in the text box, or click the [Reference] to select the target folder.

**[Note] When you select the incorrect version from the pulldown list of the Lower Version, the conversion cannot be performed properly.**

### (3) Execution of Conversion

Confirm that the settings are correct on the dialog box first, and click the [Start Converting]. A dialog box that asks whether to start the conversion or not is displayed. Click the [Yes] to execute the conversion.

When the conversion is finished, the completion message is displayed. Click the [Close] on the Converter dialog box to terminate the Converter.

### (4) Confirmation of Conversion Result

The converted file (hulman.dat) is created in the folder where the new version of HULFT Manager is installed.

Start up HULFT Manager, and use the features on HULFT Manager main screen to confirm that the information of destination hosts registered in the original version is taken over successfully.

#### When a folder (\*) does not exist in the original version

When a folder does not exist in the original version, a folder named 'NewFolder' is created in compliance with the following rules:

- When a folder does not exist, a new folder named 'NewFolder' is newly created.
- When the 'NewFolder' already exists in the folder information file (hulman.tre), a fresh folder named 'NewFolder2' is created. If the identical folder name already exists, the serial number increases like 'NewFolder2,' 'NewFolder3' ... accordingly, up to 'NewFolder99.'
- When the 'NewFolder' and the folders from 'NewFolder2' to 'NewFolder99' already exist in the folder information file, a fresh folder is not created, and an error occurs.

[Remarks] \*Folder: a folder to group destination hosts, which is displayed in the tree on HULFT Manager main screen

## 9.2.3 Uninstallation of Lower Version

Refer to "11.1.2 Uninstallation of HULFT Manager," and uninstall the lower version of HULFT Manager.

## 9.2.4 User Registration of HULFT Manager

If users other than the Administrator use HULFT Manager, follow the instruction in "5.3 User Settings of HULFT Manager."

## 9.2.5 Confirmation after Version Upgrade

Start up HULFT Manager, and display the Version Information to confirm that the Version Information is updated to the new version as a result of successful completion of the version upgrade. From the [Help] menu on HULFT Manager main screen, click the [Version Information] to display the Version Information.

The version upgrade work is now completed.

# **Chapter 10**

## **Revision Upgrade Method**

This chapter explains how to upgrade the revision of HULFT Manager.

This chapter explains the procedure for upgrading the revision of HULFT7 Manager. Refer to “Chapter 9 Version Upgrade Method” when you carry out version upgrade from HULFT Manager Ver.6 or lower.

The points to be noted for revision upgrade are as follows:

- Terminate HULFT Manager before you start the upgrade work.
- Make sure to create a backup of HULFT Manager before you begin.

Also, read the *Revision Upgrade Notification* before starting the upgrade work.

## 10.1 Work Before Revision Upgrade

### 10.1.1 Termination of HULFT Manager

Terminate HULFT Manager while you carry out revision upgrade.

For the details on how to terminate HULFT Manager, refer to “Chapter 6 Termination Method of HULFT Manager.”

You may be unable to perform the upgrade properly if HULFT Manager is running.

### 10.1.2 Backup of HULFT Manager Data

Create a backup of HULFT Manager data.

For the details on how to create a backup, refer to “Chapter 7 Backup Method.”



## 10.2 Revision Upgrade Work

Upgrade the revision in accordance with the procedure explained below.

### 10.2.1 Installation of New Revision of HULFT Manager

Refer to “Chapter 2 Installation Method,” and install the new revision of HULFT Manager.

### 10.2.2 Confirmation after Revision Upgrade

To confirm that the revision upgrade has been carried out properly, open the Version Information dialog box on HULFT Manager main screen, and check the Version Information of HULFT Manager. In addition, confirm that each management information and log records are displayed properly on HULFT Manager main screen. If they are not displayed properly, please contact us.

The revision upgrade work is now completed.

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Chapter 11

Uninstallation Method

This chapter explains how to uninstall HULFT Manager.

11.1 Uninstallation Procedure of HULFT Manager

This section explains the procedure for uninstalling HULFT Manager.

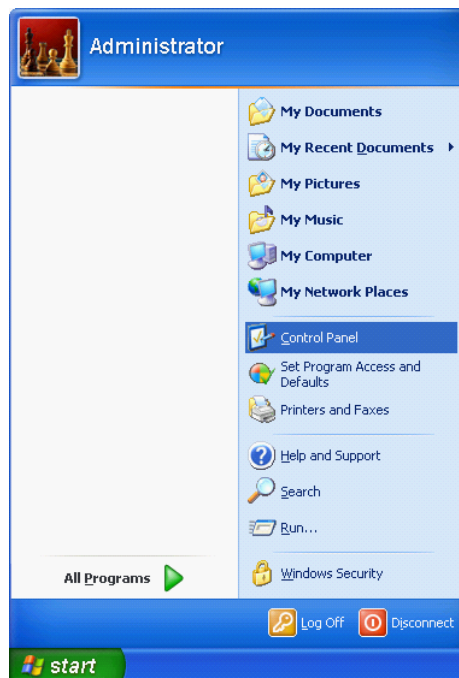
11.1.1 Termination of HULFT Manager

Terminate HULFT Manager before you start the uninstallation.

For the details on how to terminate HULFT Manager, refer to “6.1 Termination Procedure of HULFT Manager.”

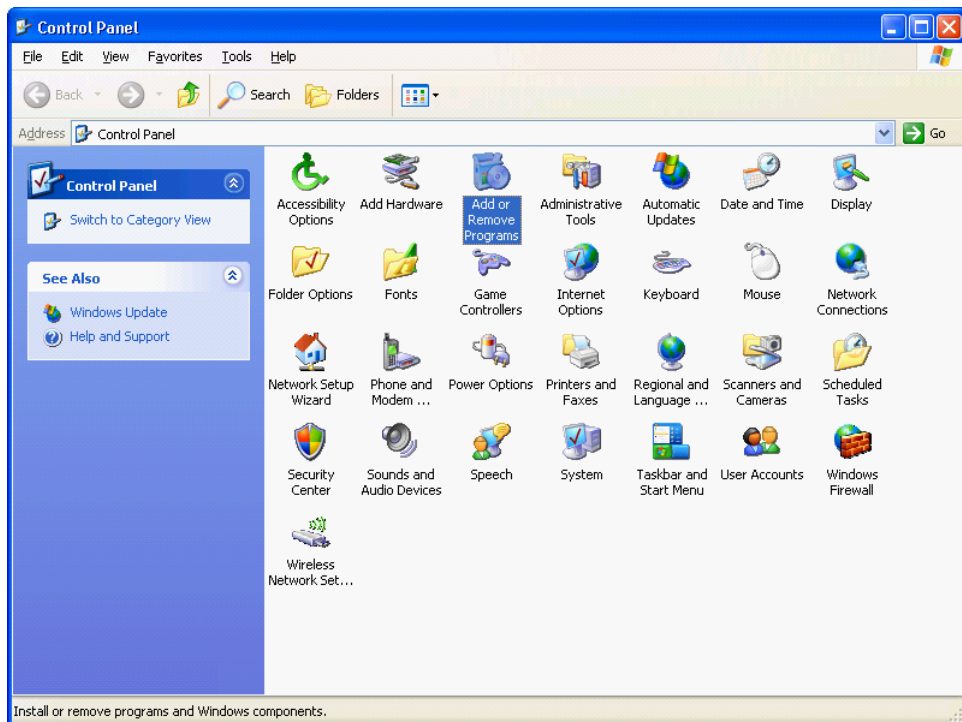
11.1.2 Uninstallation of HULFT Manager

From [Start] menu, select [Control Panel].



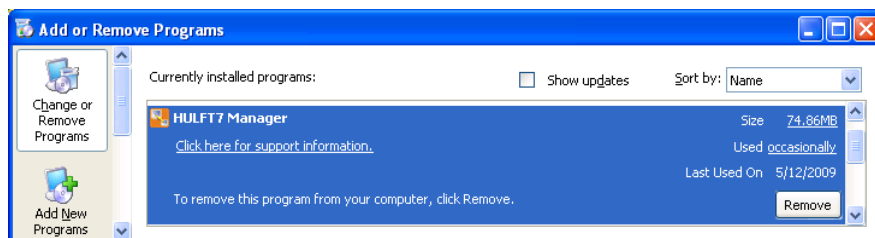
Control Panel is displayed.

Click Add or Remove Programs on Control Panel.



Add or Remove Programs is displayed.

Select HULFT Manager (Registration Name you specified during the installation) on Add or Remove Programs, and click [Remove] on the right side.



A dialog box that asks whether to remove HULFT Manager or not is displayed. Click [Yes] to carry out the uninstallation.

[Remarks] Even if HULFT Manager is uninstalled, SQLite ODBC Driver is not uninstalled. Therefore, it is necessary to uninstall SQLite ODBC Driver separately. When you uninstall SQLite ODBC Driver, confirm that it is not used by other applications before you start the uninstallation procedure. For the details on how to uninstall SQLite ODBC Driver, refer to the documents of SQLite ODBC Driver.

~~~~~Memo~~~~~

# **HULFT7e Manager**

Installation Manual

First Edition: September 1, 2009

SAISON INFORMATION SYSTEMS CO., LTD.



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