NS-SHFT

Quick Start Guide

Americas: www.buffaloamericas.com
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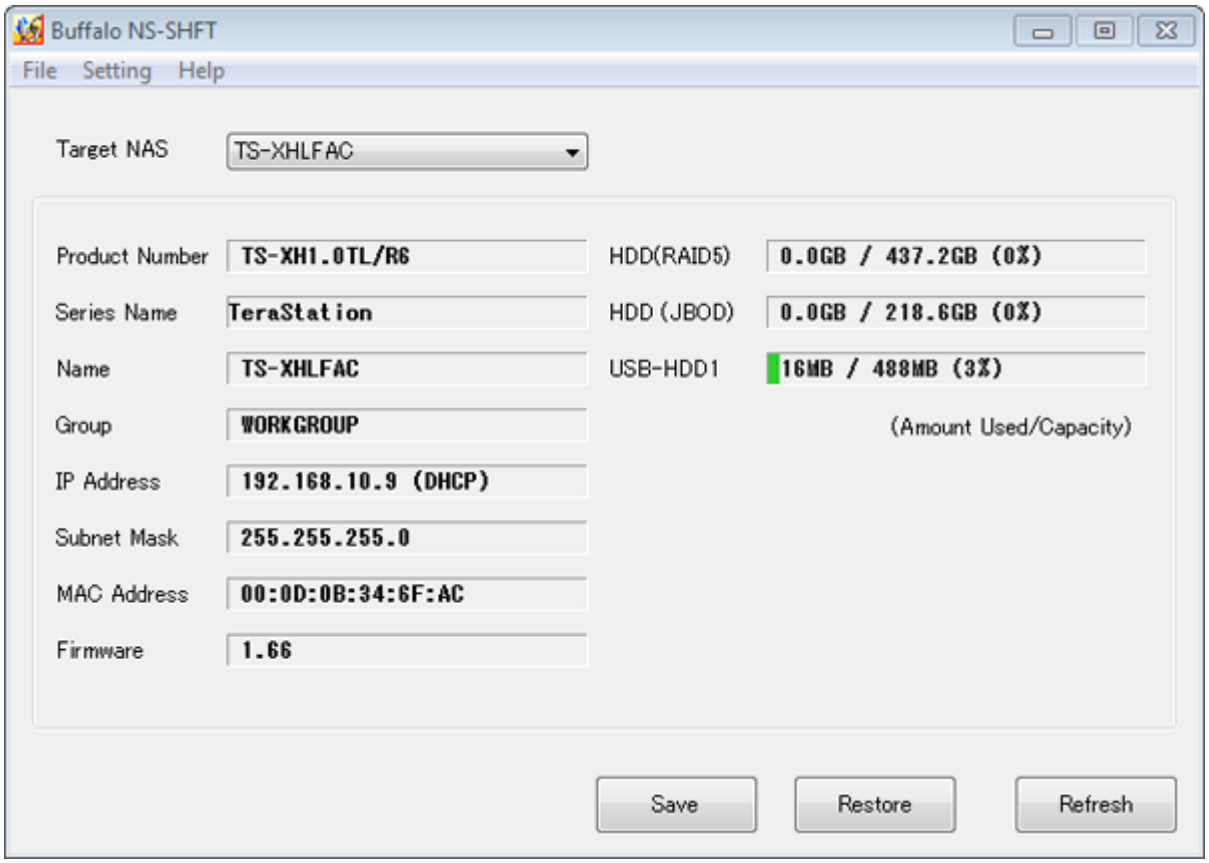
Chapter 1 Overview

About "NS-SHFT"

NS-SHFT is software that can save and restore configurations of Buffalo LinkStations and TeraStations. Settings are saved to a configuration file (.nas_config) on a computer. You can use that configuration file to restore the LinkStation or TeraStation's settings, or to easily apply its settings to a different LinkStation or TeraStation. LinkStations or TeraStations must be from the same series to use each other's config file, though they may be different. However if you use TS3000 series as a restore target, you can transfer settings from config file in different TeraStation series as a restore source.

You may specify specific settings to restore during the restoration process. You can also restore the settings without deleting the data in the target device, or restore only the settings after deleting the target data.



Note: NS-SHFT is a tool to save and restore the LinkStation or TeraStation's settings only. It does not save or restore any data stored on your LinkStation or TeraStation. To save or restore data, use a data backup program such as the one built-in to the LinkStation or TeraStation.

You can use NS-SHFT to:

- Save time and effort when installing additional LinkStations or TeraStations by copying your original LinkStation's or TeraStation's settings.
- Configure multiple LinkStations or TeraStations with identical settings.
- Restore previously saved settings if you accidentally changed any current settings.

- Save current settings of the LinkStation or TeraStation, and restore it to another LinkStation or TeraStation to use it as a replacement unit.
- Replace the old TeraStation models to TS3000 series TeraStations.

Compatibility

Settings Restoration

Source: TS-XL series, TS-XEL series, TS-WXL series, TS-RXL series, TS-HTGL series, TS-RHTGL series, and LS-GL series
Target: TS-XL series, TS-XEL series, TS-WXL series, TS-RXL series, TS-HTGL series, TS-RHTGL series, and LS-GL series

Configuration Migration

Source: TS-XL series, TS-XEL series, TS-WXL series, TS-RXL series, TS-HTGL series, and TS-RHTGL series
Target: TS3000 series

Installation/Uninstallation

Installing

You can download the installer from the Buffalo website. Unzip the downloaded file, double-click the "nascfgsr-ins.exe" file in the unzipped folder, and follow the instructions on the screen.
NS-SHFT installation will begin.

Uninstalling

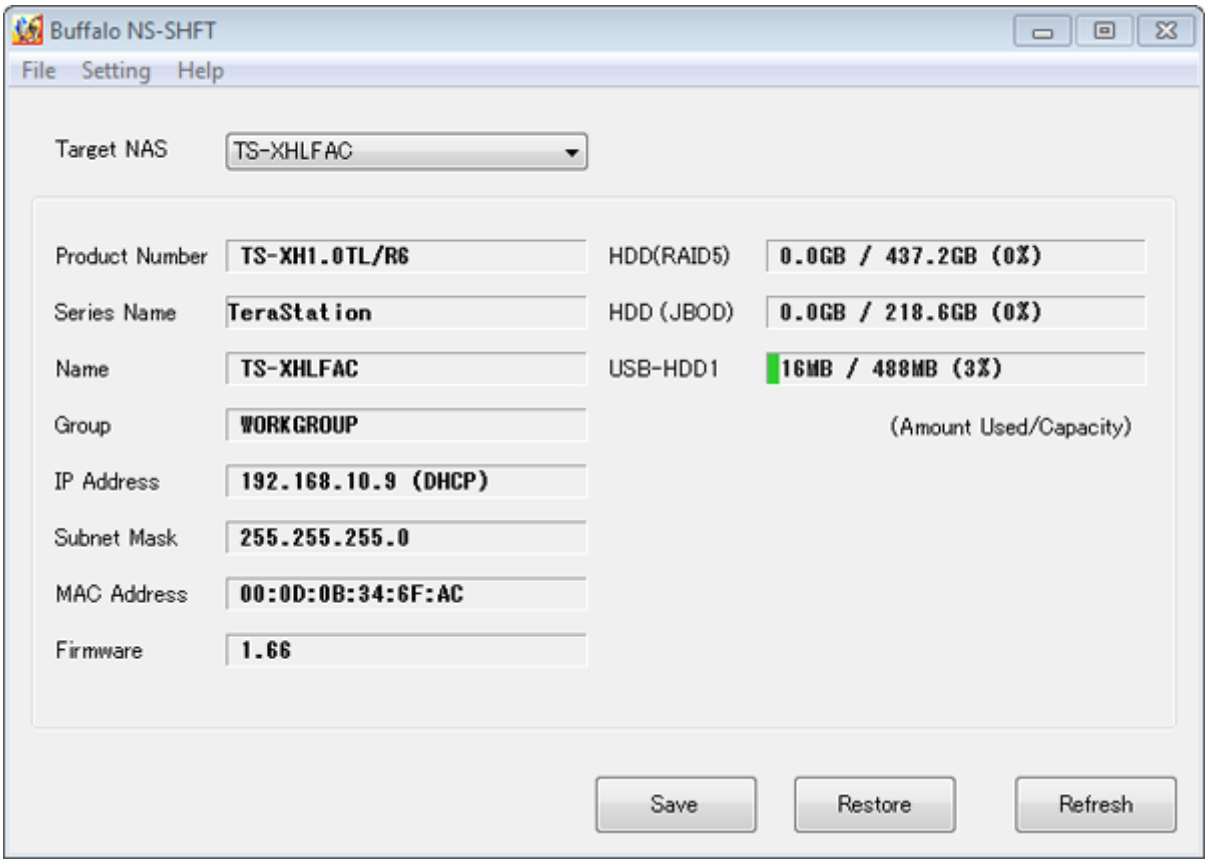
To uninstall NS-SHFT, open *Control Panel - Uninstall a program* on your computer and uninstall "Buffalo NS-SHFT" from the displayed list.

Chapter 2 Saving and Restoring Settings

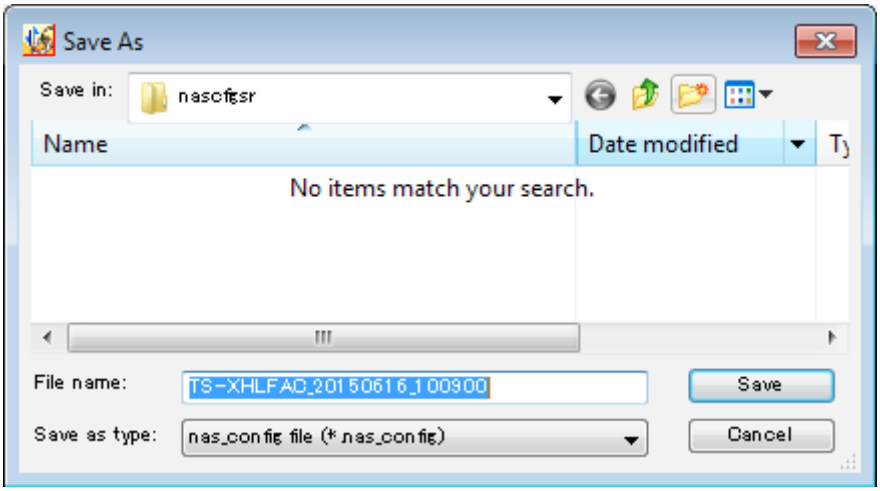
Saving Settings

1 Click *Start* - *(All) Programs* - *BUFFALO* - *NS-SHFT* and open NS-SHFT.

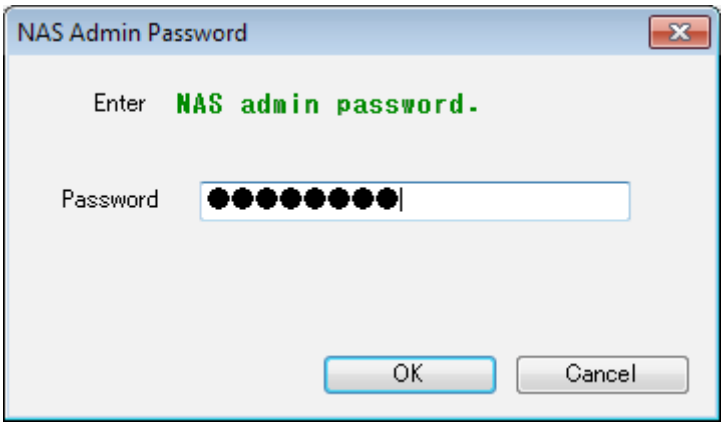
2 Select the target device you want to save the settings from and click *Save*.



3 Click *Save* again to save a nas_config file.

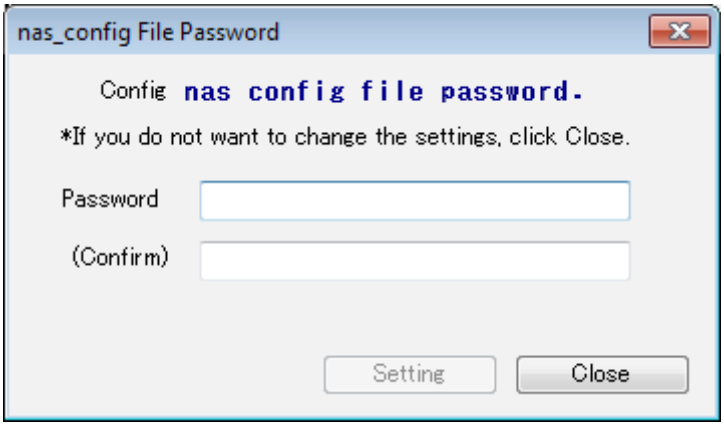


4 Enter the target device's admin password, then click *OK*.



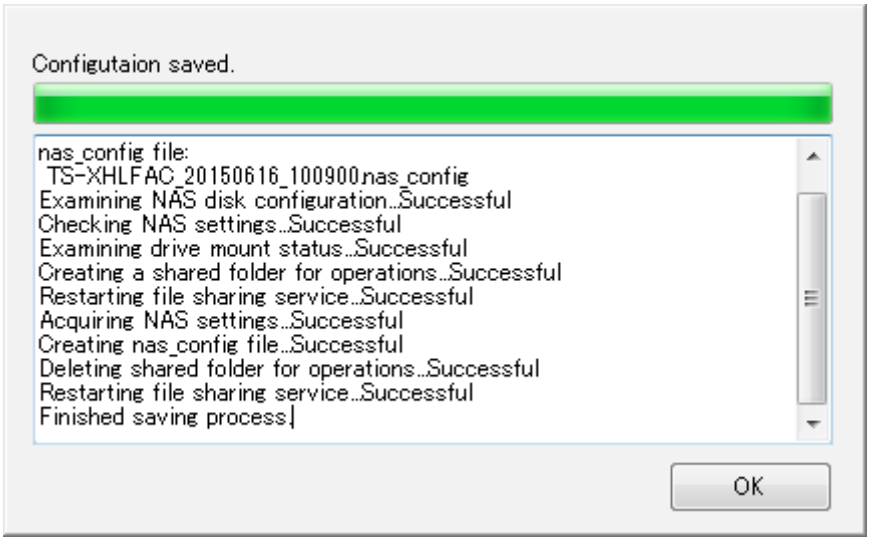
5 Saving settings will begin.

6 To authenticate the nas_config file, enter a password. If no password is entered, then the config file will not be protected by a password.



7 Click *Setting*, or *Close* if you don't want to configure the password.

8 When it's finished, click *OK*.



The settings have been saved.

The following settings are displayed on the home screen:

Option	Description
Target NAS	Displays the list of hostname that LinkStations and TeraStations exist on the same network.
Product Number	Displays the device's model number.
Series Name	Displays the device's series name.
Name	Displays the device's hostname.
Group	Displays the device's workgroup name.
IP Address	Displays the device's IP address. "(DHCP)" will be displayed if the IP address is assigned from a DHCP server.
Subnet Mask	Displays the IP address's subnet mask.
MAC Address	Displays the device's MAC address.
Firmware	Displays the device's firmware version.
HDD	Displays the used space and total space of the devices. Depending on the RAID settings, the configured RAID mode will be displayed next to "HDD".
USB-HDD	Displays the used space and total space of the connected USB drives. This is displayed only when a USB drive is connected.
Save	Saves the selected device's settings.
Restore	Restores the selected device's settings.
Refresh	Refreshes the device list on the network.

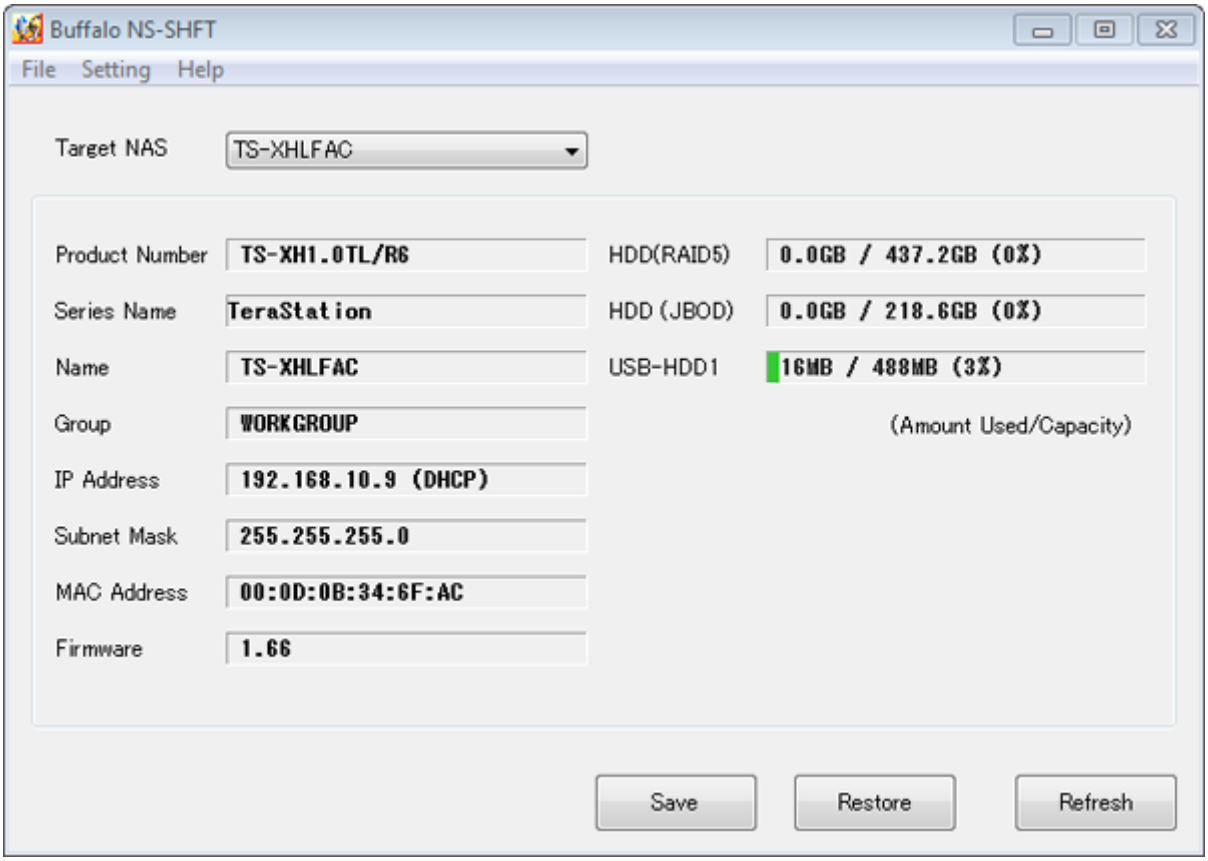
Restoring Settings

If the restore target device is TS-XL, TS-XEL, TS-WXL, TS-RXL, TS-HTGL, TS-RHTGL, or LS-GL series, refer to the "Restoring to Same Model" section. You can only restore the settings from the same series. If the restore target device is TS3000 series, refer to the "Restoring to Different Model (Configuration Migration)" section below.

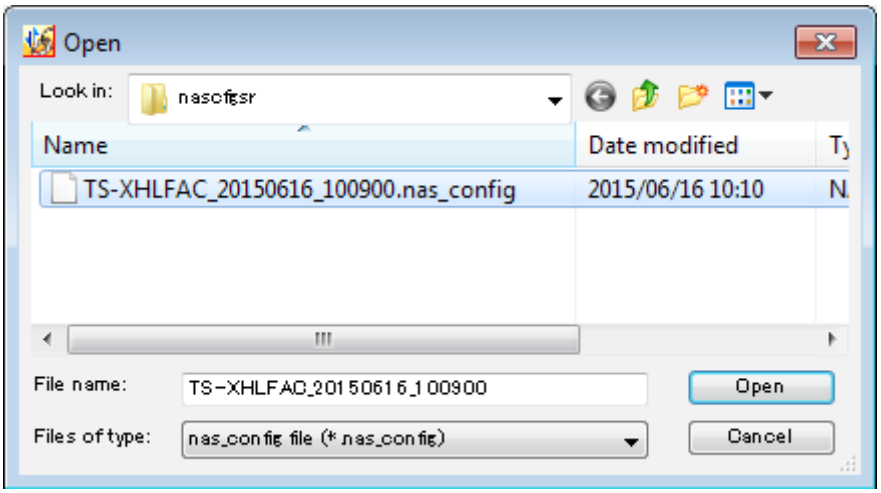
Restoring to Same Model

1 Click *Start* - *(All) Programs* - *BUFFALO* - *NS-SHFT* and open NS-SHFT.

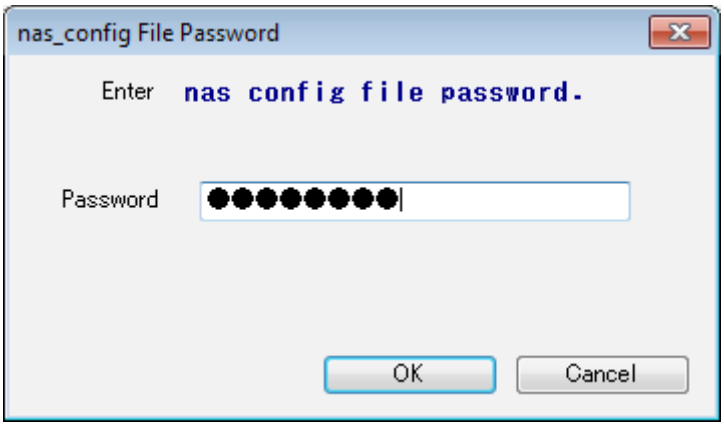
2 Select the target device you want to restore the settings to and click *Restore*.



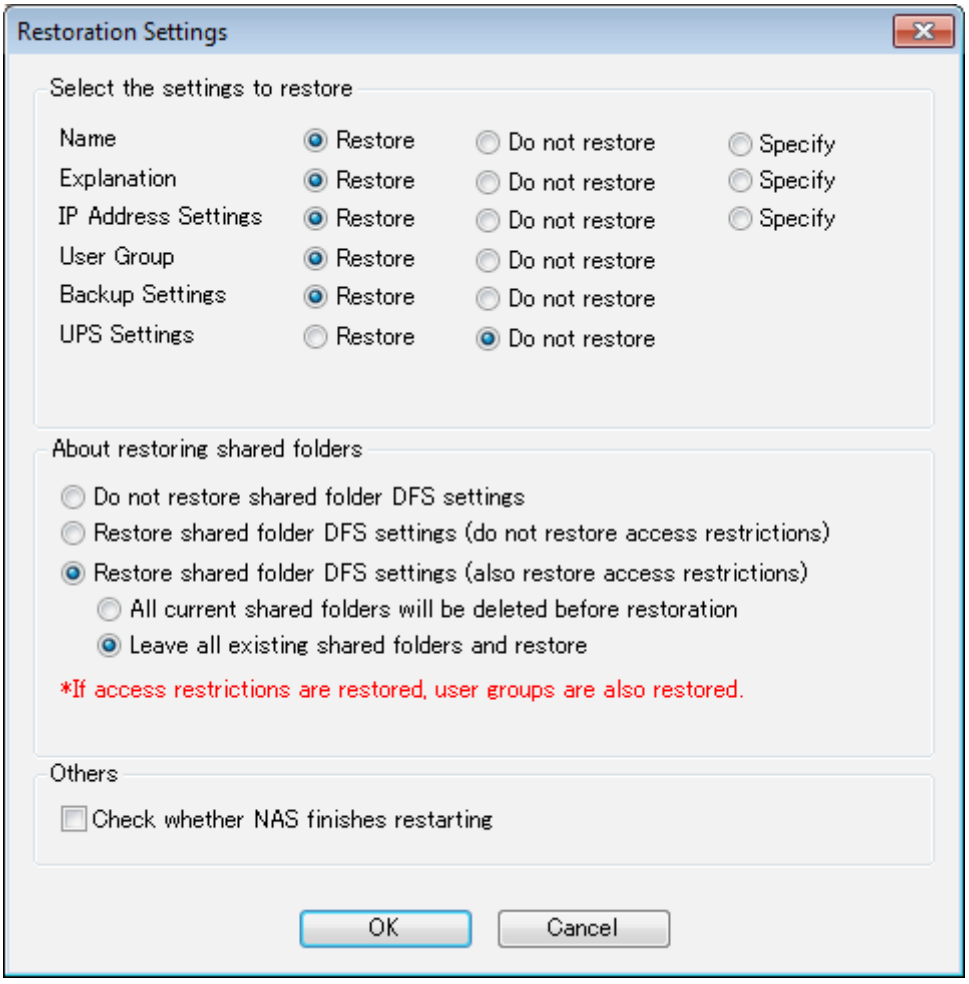
3 Select a nas_config file that was saved through the "Saving Settings" section above and click *Open*.



4 Enter the password you configured when saving the nas_config file and click *OK*. If no password was configured, then the following screen will not be displayed.

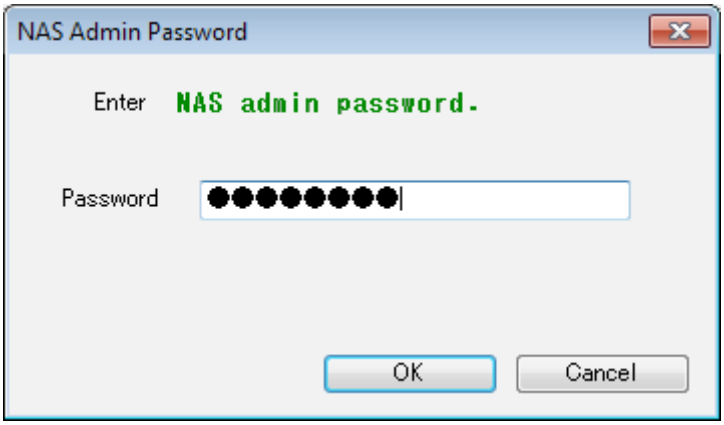


5 Configure each setting on the window. Refer to the "Advanced Settings" section in chapter 3 for more detailed information.

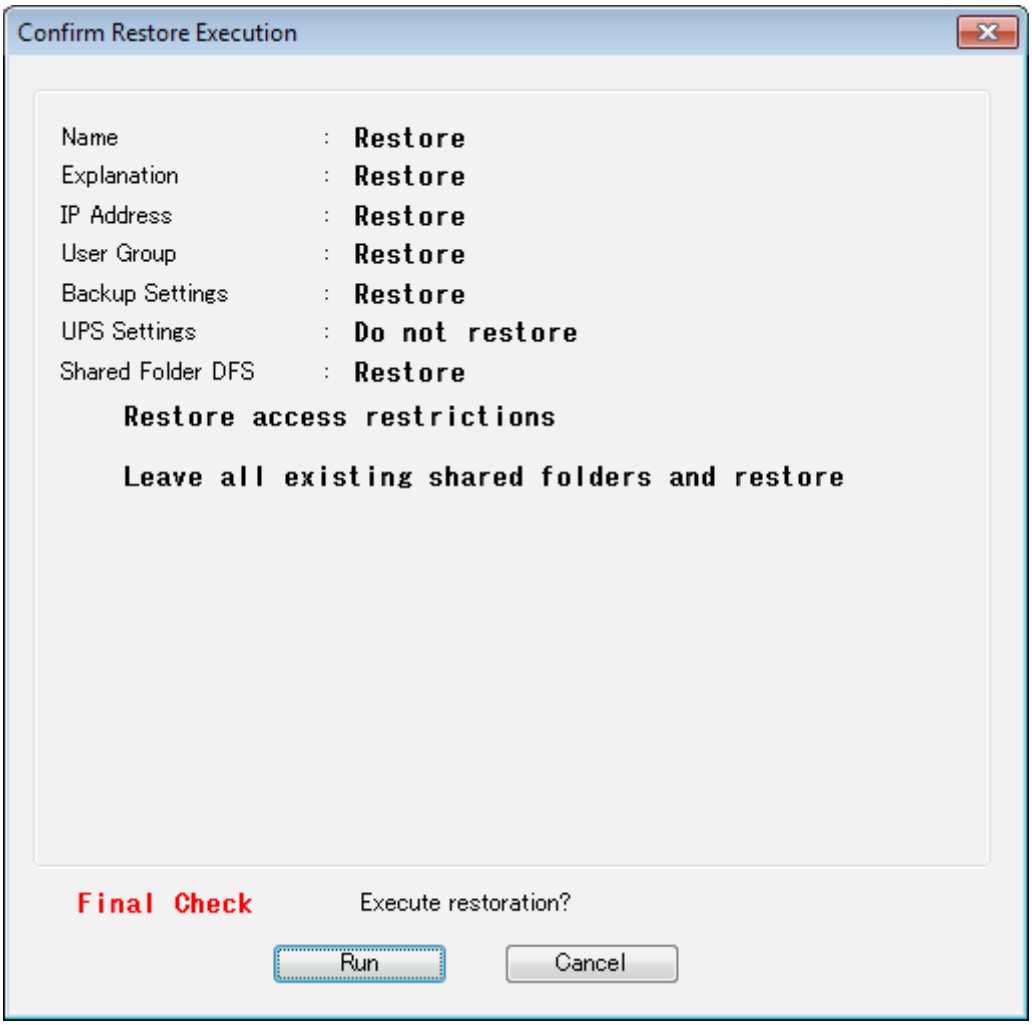


6 Click *OK*.

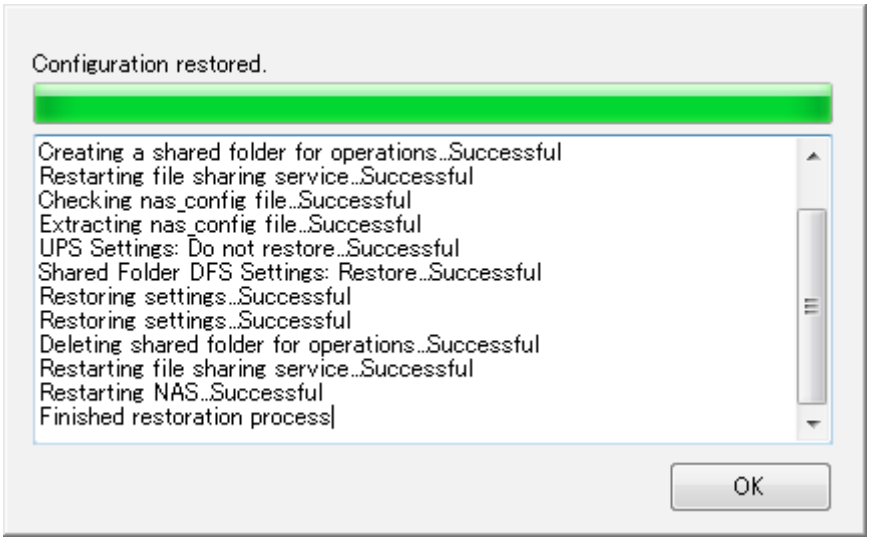
7 Enter the device's admin password and click *OK*.



8 Confirm the settings of each option that you configured in step 5. Click *Run*.



9 The restoration process will begin. When the restoration is finished, click *OK*.



The settings have been restored.

Notes:

- Nas_config files should be used to transfer settings only to compatible LinkStations and TeraStations from the same series as was used to create the nas_config file (except for TS3000 series). Use of nas_config files made from a different model or series of LinkStations or TeraStations may damage your target device or lose data.
- If you change the TeraStation's RAID mode when restoring, all existing data from the target TeraStation's shared folder will be erased. Back up any data on the target TeraStation before using a nas_config file to change to different RAID mode.
- If you restore users or groups, the administrator's password for the LinkStation or TeraStation after restoring will be changed to the administrator's password of the source LinkStation or TeraStation. If you lose or forget the administrator's password from the source LinkStation or TeraStation, you will no longer be able to change the settings of the target TeraStation.
- If you restore users and groups, all access restrictions configured for existing shared folders on the target LinkStation or TeraStation will be erased.
- To use NS-SHFT, you must be able to access shared folders on the LinkStation or TeraStation that you are copying settings from. Select "Enable" for *Network Services - SMB* and *Local Users - guest* in Settings if there is such an option on the LinkStation or TeraStation.

Restoring to Different Model (Configuration Migration)

If you are restoring the settings from TS-XL, TS-XEL, TS-WXL, TS-RXL, TS-HTGL, or TS-RHTGL series to TS3000 series, follow the procedure below.

The following settings can be transferred using this function:

- Shared folders
- Access restrictions*
- Users
- Groups

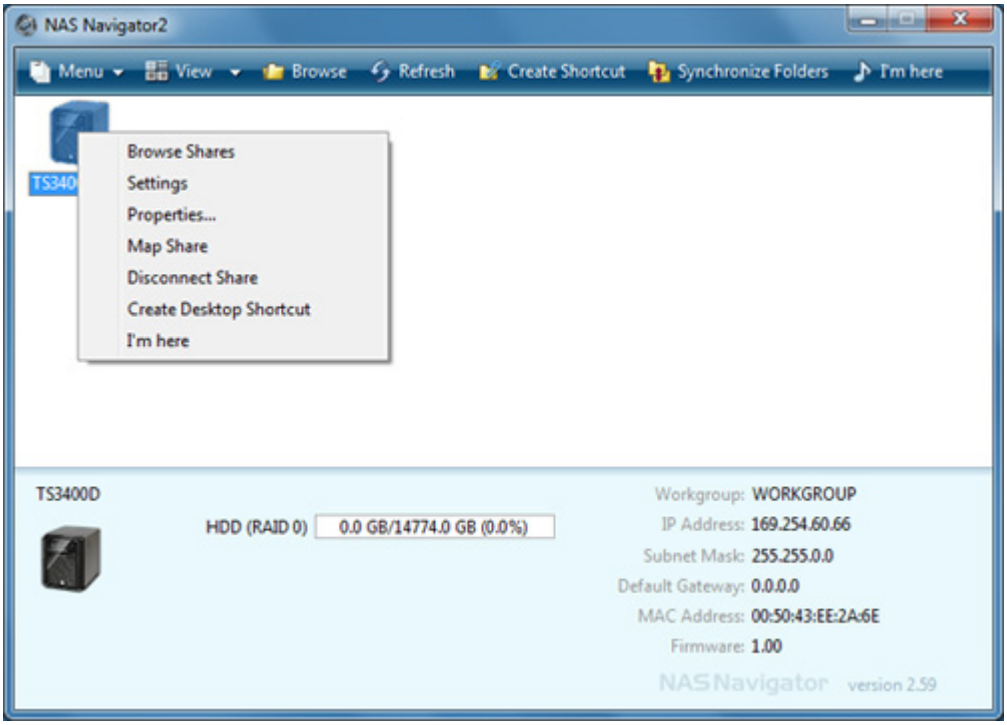
*NT domain access restrictions cannot be transferred.

1 Before transferring access restrictions with Active Directory domain users or external users, make sure the migration target TeraStations are joined to the same domain controller. To have the unit join the domain network, read and follow the instructions either the "Active Directory" section or the "User Authentication with an External SMB Server" section in the migration target TeraStations manual.

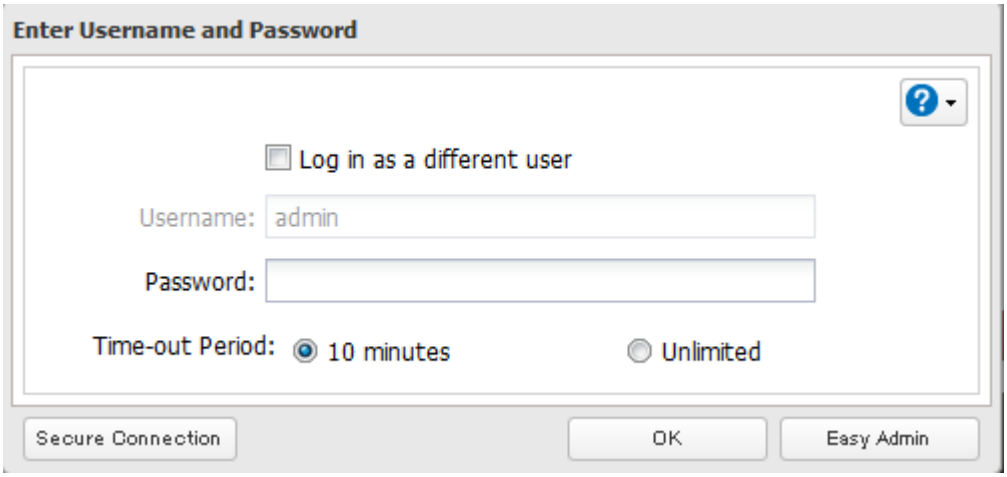
If you didn't configure access restrictions with Active Directory domain users and external users, skip to step 2.

2 Double-click the  icon to start NAS Navigator2.

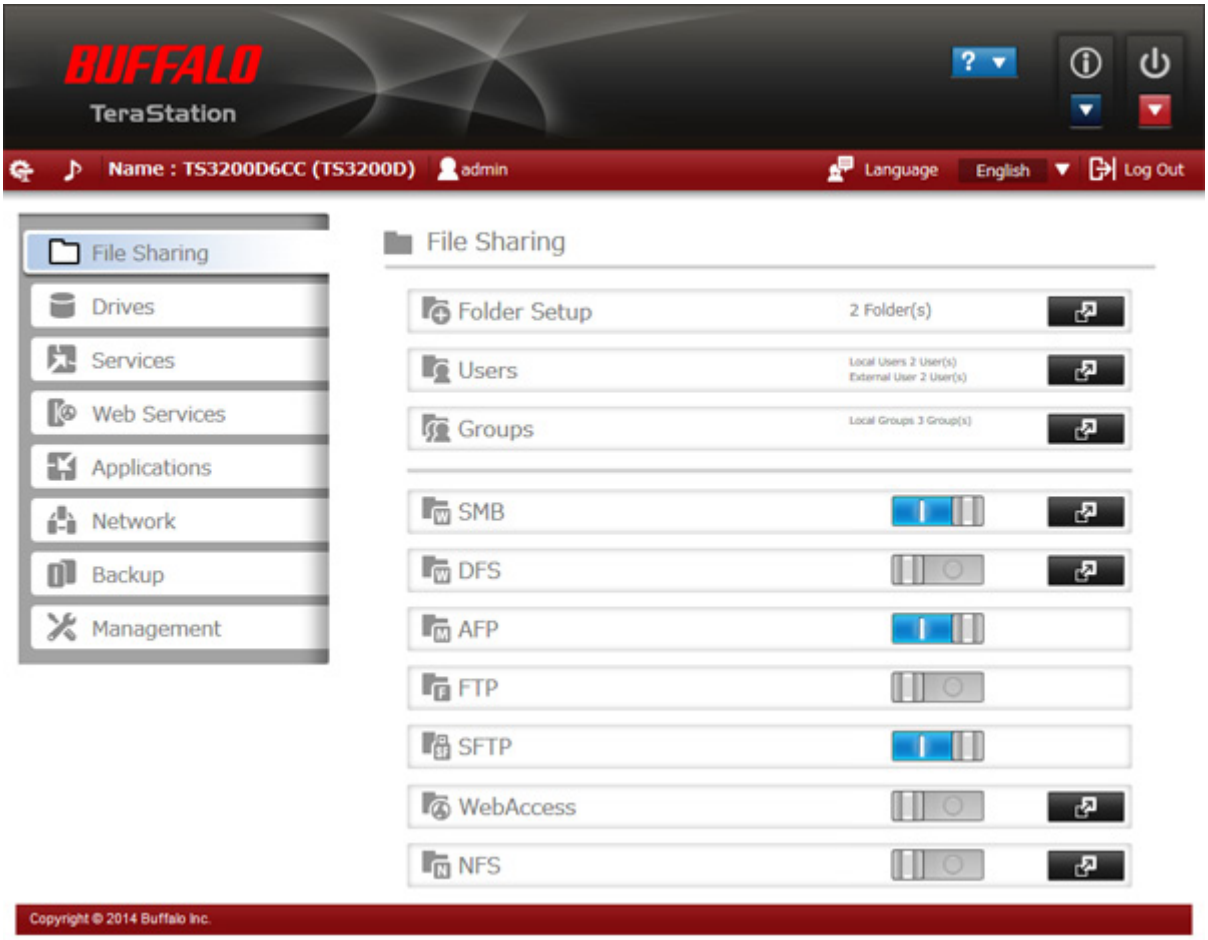
3 Right-click on your TeraStation's icon in NAS Navigator2 and select *Settings*. For Mac OS, click your TeraStation's icon while holding down the control key, then select *Settings*.



4 Enter the username and password and click *OK*.



5 Settings will open.



6 In Settings, click *Management*.

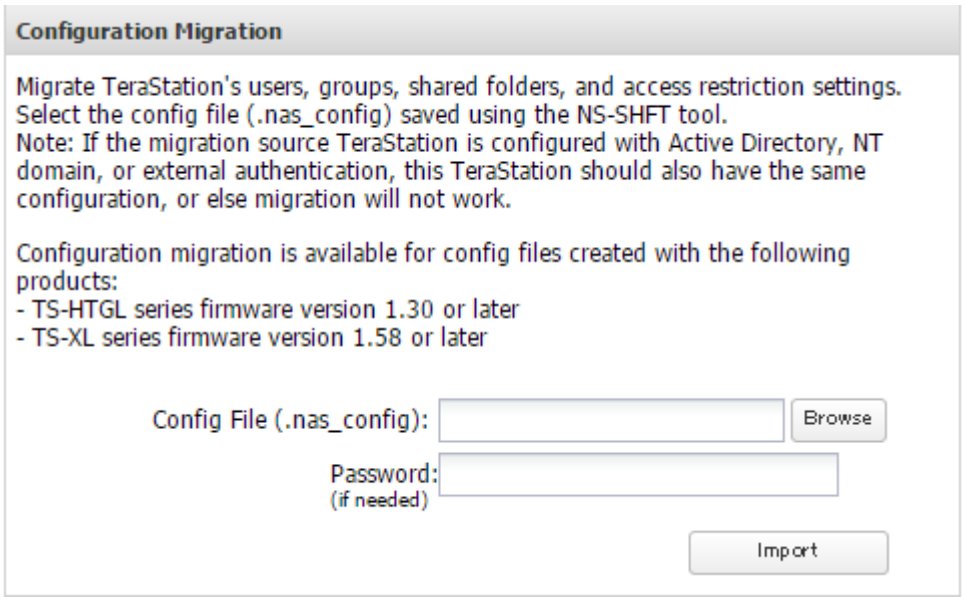


7 Click  to the right of "Configuration Management".



8 Click *Browse* and select the nas_config file that was saved through the "Saving Settings" section above.

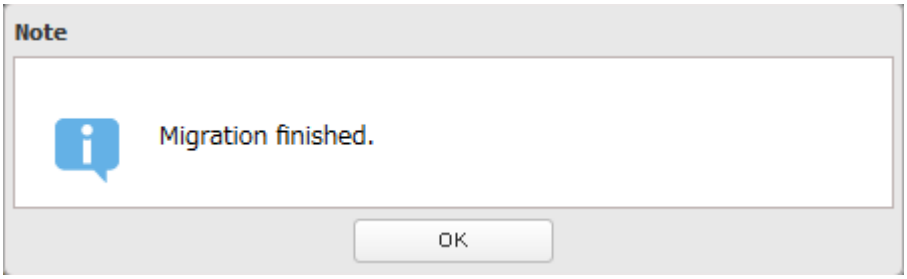
If the nas_config file was created with a password, enter it in the "Password" field.



9 Click *Import*.

10 The "Confirm Operation" screen will open. Enter the confirmation number, then click *OK*.

11 When the following message is displayed, transferring settings is finished. Click *OK*.



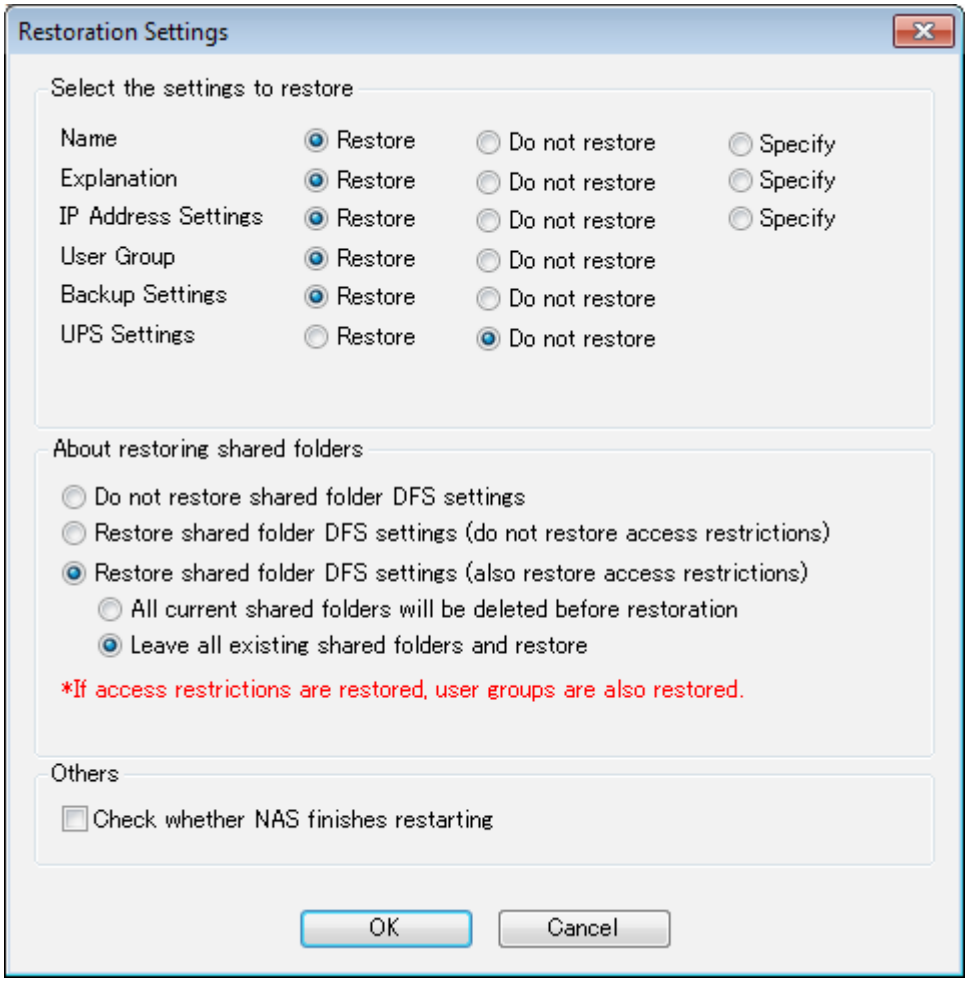
Notes:

- If the migration target TeraStation contains shared folders, users, and groups that share the same name as the transferred settings, the existing settings will be overwritten.
- If the migration target TeraStation have already added some shared folders, users, and groups, the transferred settings may exceed the maximum number of allowed shared folders, users, groups. After migration finishes, open Settings and verify that all settings were properly transferred.

Chapter 3 Advanced Settings

Restoration Option Details

This screen shows which settings will be restored. You can display it by clicking *File - Restoration Settings* from the NS-SHFT window.

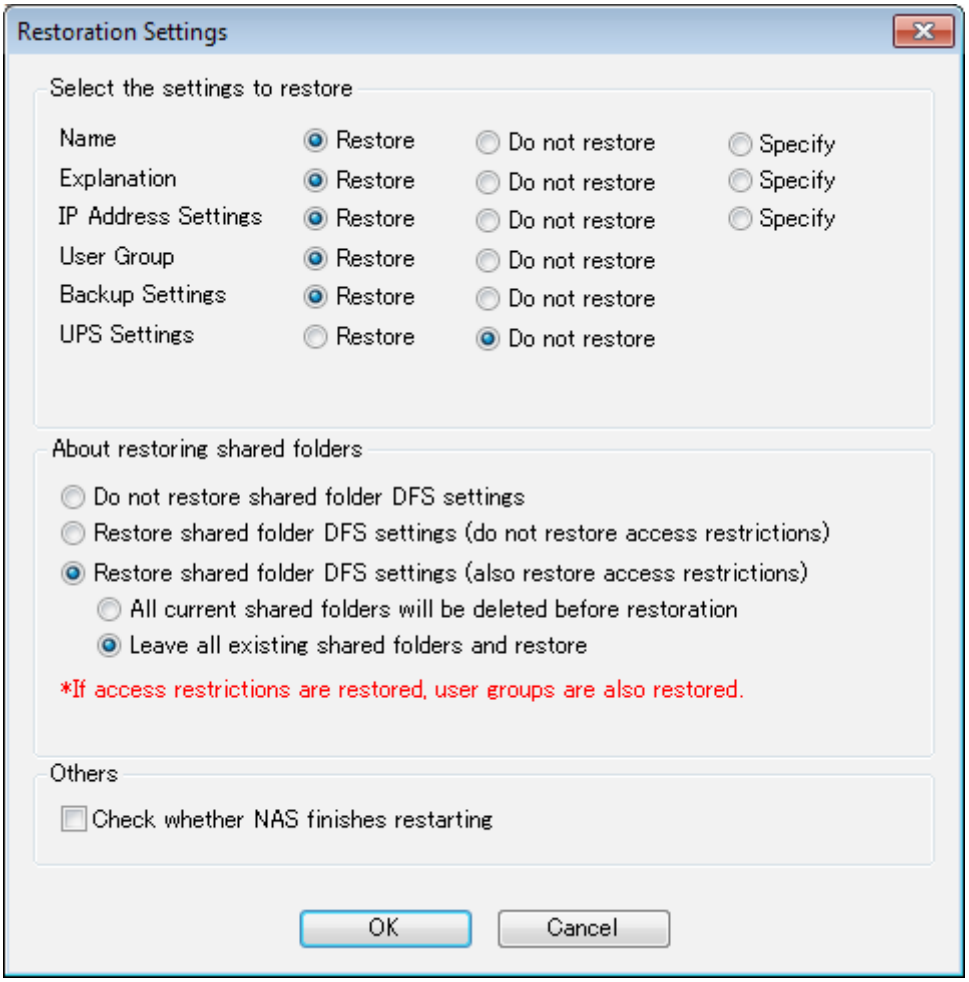


Option	Description
Select the settings to restore	Select which settings will be restored from the saved nas_config file. To specify a different name, description, or IP address for the target device, select "Specify".
About restoring shared folders	Choose how DFS settings are transferred to shared folders on the target device.
Others	Select whether or not for the program to restart the target device after restoring settings. Until the target device's restarting process is finished, you will not be able to use it normally, but you can save or restore another device's settings. By default, the target device will not be restarted automatically.

Name, Description, or IP Address

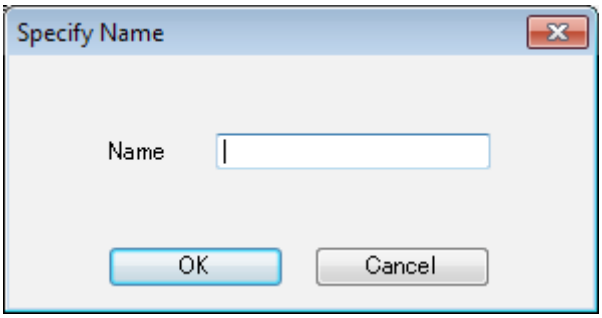
Specifying a Name

1 Open NS-SHFT and click *File - Restoration Settings*.



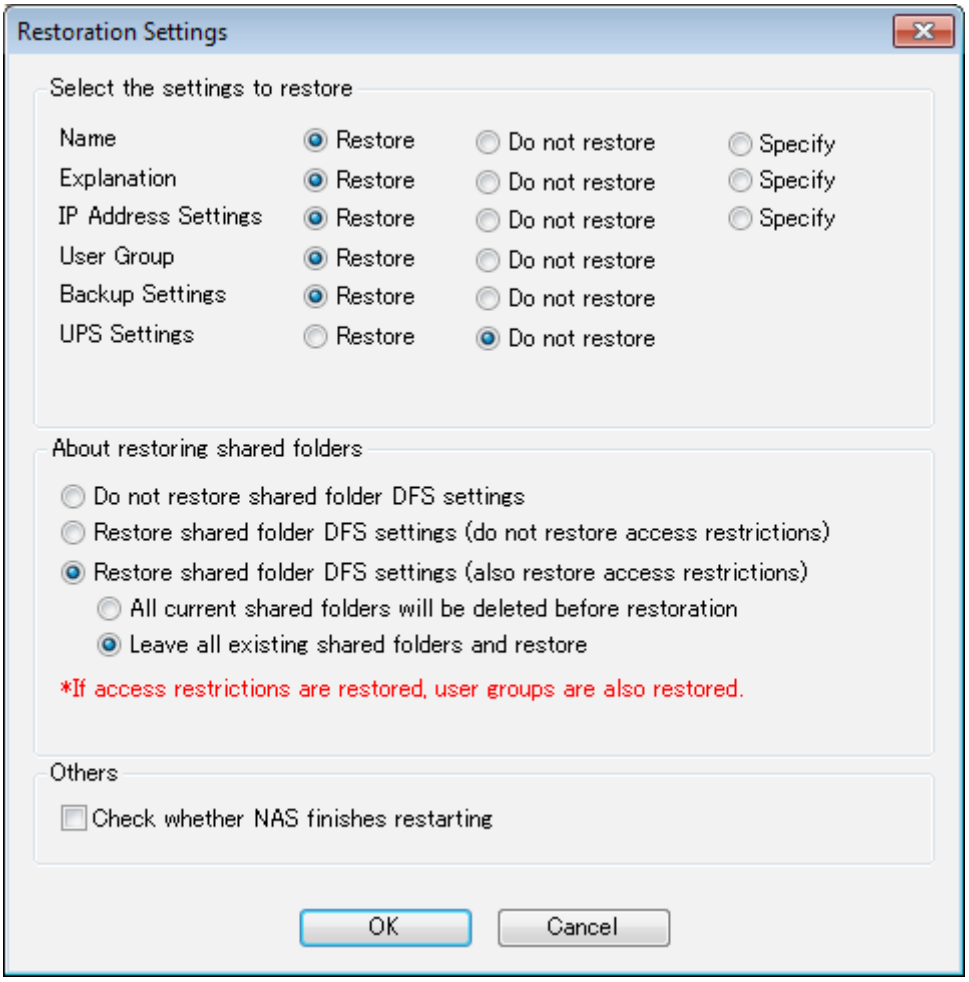
2 Select "Specify" to the right of "Name" in the window.

3 Enter a name and click *OK*.



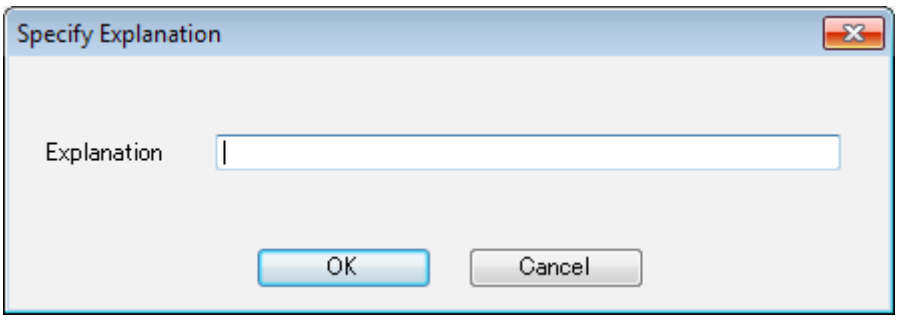
Specifying a Description

1 Open NS-SHFT and click *File - Restoration Settings*.



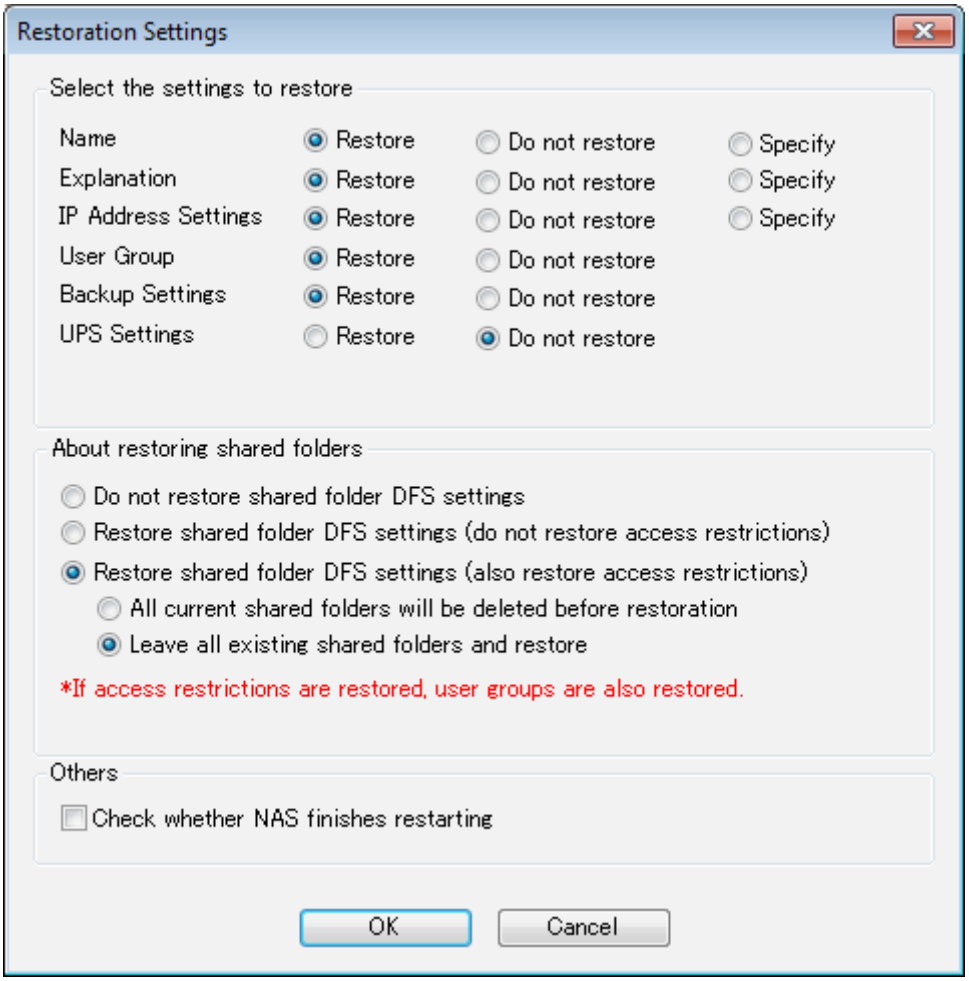
2 Select "Specify" to the right of "Explanation" in the window.

3 Enter a description and click *OK*.



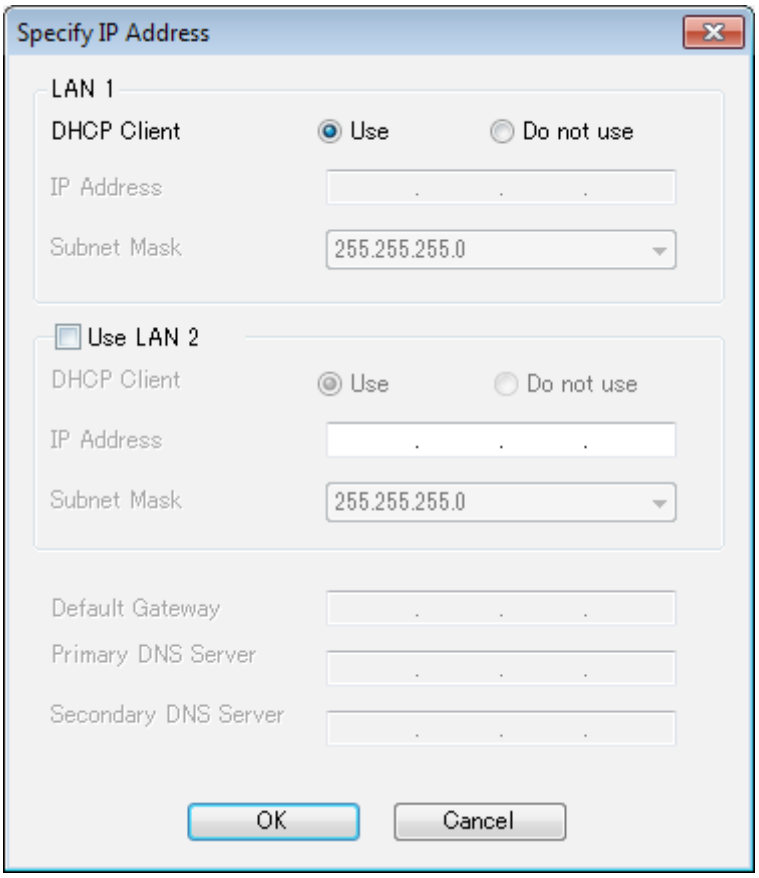
Specifying a IP Address

1 Open NS-SHFT and click *File - Restoration Settings*.



2 Select "Specify" to the right of "IP Address" in the window.

3 If using a DHCP server, the IP address will be assigned automatically. If not using a DHCP server, then you will need to configure the IP address manually. Enter your IP address, subnet mask, default gateway, and DNS server addresses. Click *OK*.



If using a TeraStation model with two active Ethernet ports, check "Use LAN 2" and enter the IP address for LAN port 2.

