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Setting up COOLMAX CN-330

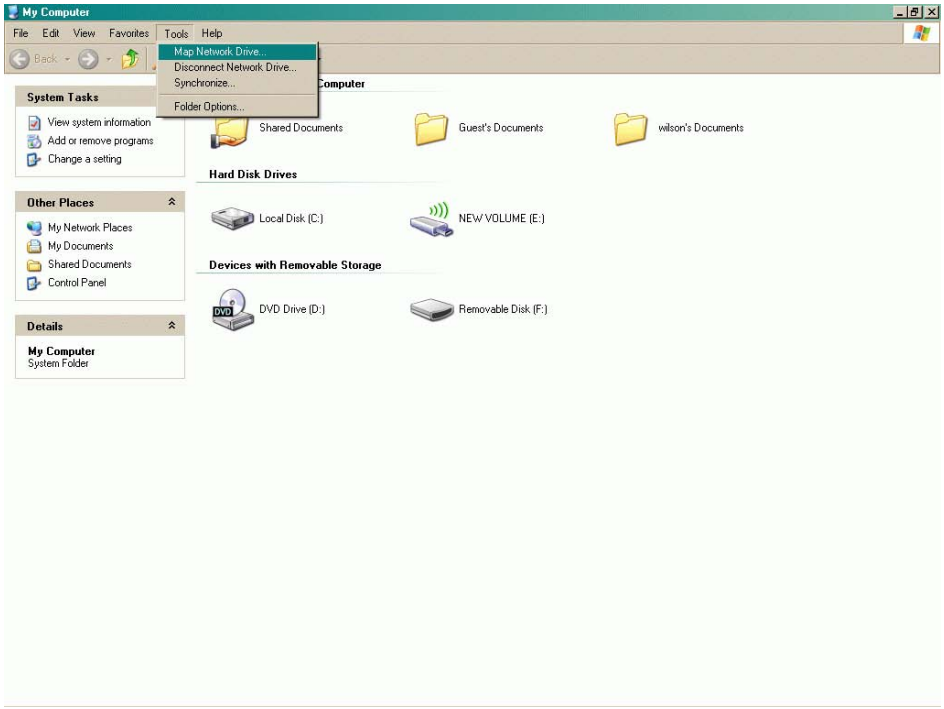
Assigning an IP Address:

This COOLMAX CN-330 has DHCP function built in. The default setting is DHCP client 192.168.1.1. When the COOLMAX CN-330 is connected to a LAN that already has a DHCP server present, the COOLMAX CN-330 takes an IP address assigned to it by the server. When the COOLMAX CN-330 is connected to a LAN that does not have a DHCP server, the COOLMAX CN-330 becomes the DHCP server in the network.

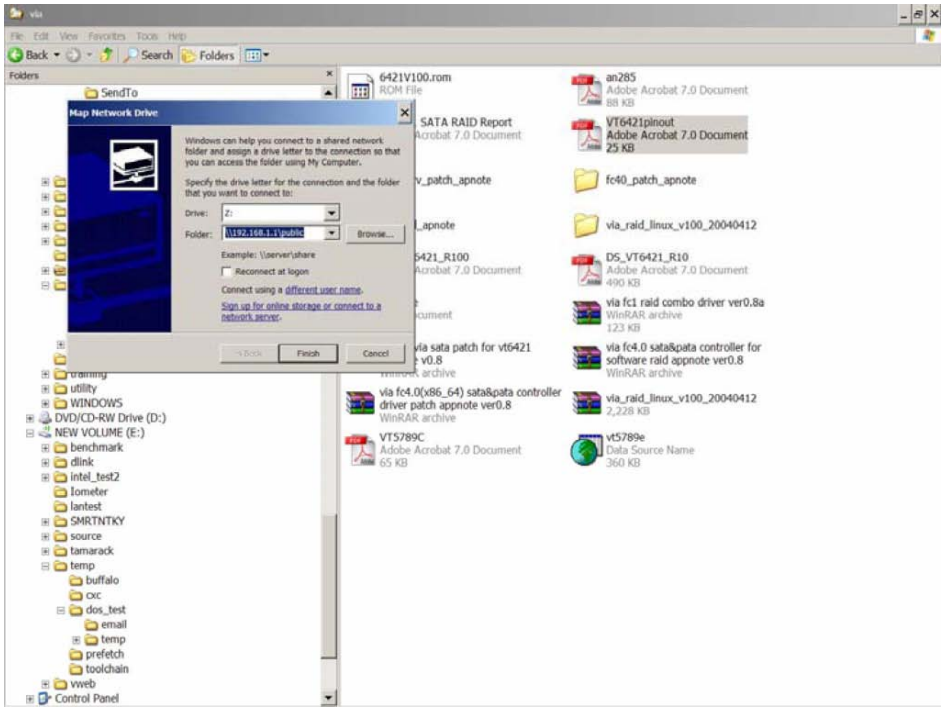
The COOLMAX CN-330 may be assigned an IP address manually with DHCP functions disabled. It is recommended that the user first start the evaluation of COOLMAX CN-330 in an isolated network environment.

Map COOLMAX CN-330 disk into Local

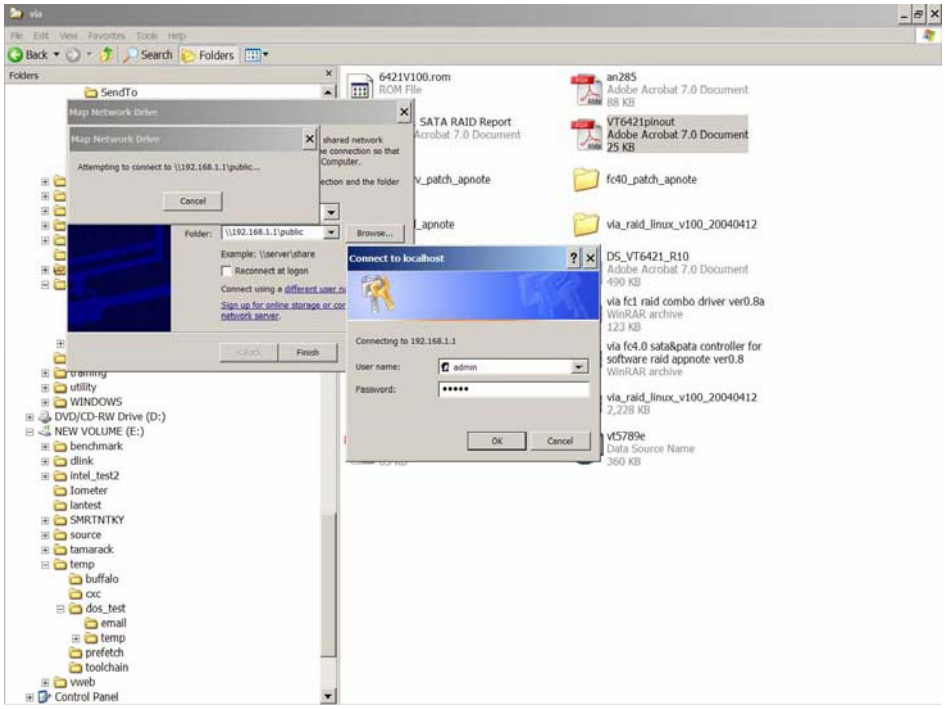
Select Tools -> Map Network Drive from client window explorer



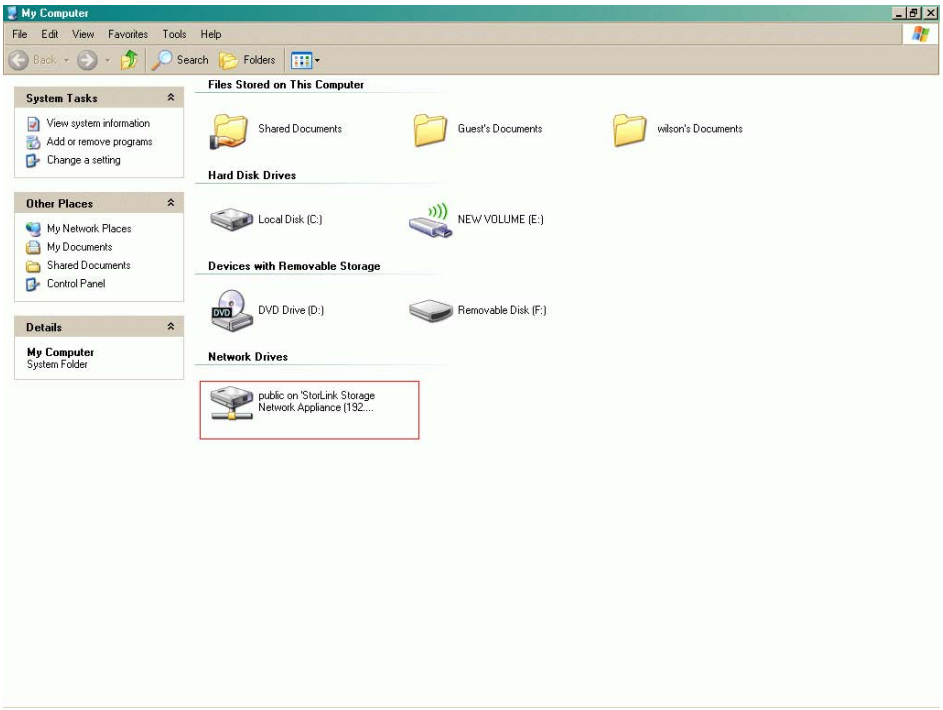
Input the logical drive and the path of network share directory



Log in using the SAMBA User Account which is created by you.



The network drive can be found on client's system.



Operating COOLMAX CN-330 through GUI Web Interface

Once the COOLMAX CN-330 is connected to the network, use the browser (supports Microsoft Internet Explorer 5.0 or later, Netscape Navigator 4.5 or later) to complete administrative task of COOLMAX CN-330.

Administration of the COOLMAX CN-330

The following methods allow an administrator to access the administration page.

Launch your web browser if you know the IP address of the COOLMAX CN-330. Type the correct IP address in the browser.

Input the username and password in the login page, “admin” is the username and password by default; change security privilege is recommended.

COOLMAX CN-330 Configuration

After logging into the COOLMAX CN-330 by browser, there are 3 main selections:

“Basic”, “Control panel”, and “Personal Info”. Related items and expansion list below (with PATA or SATA HDD installed):

Basic

Quick Setup Wizard

- Add User
- Add Group
- Add Share

Control Panel

- Users and Groups
- User Management
- Group Management

File and Print

- File Server
- Share Management
- Printer Server

System

- LAN Settings
- Time Settings
- RAID Setting
- Turn Off Server
- Information
- Disk Usage
- Error Notification

Network Service

- DHCP Server
- Bonjour
- BTorrent

Maintenance

- Disk Utility
- Firmware Upgrade
- Save Configuration
- Restore Configuration
- Factory Reset

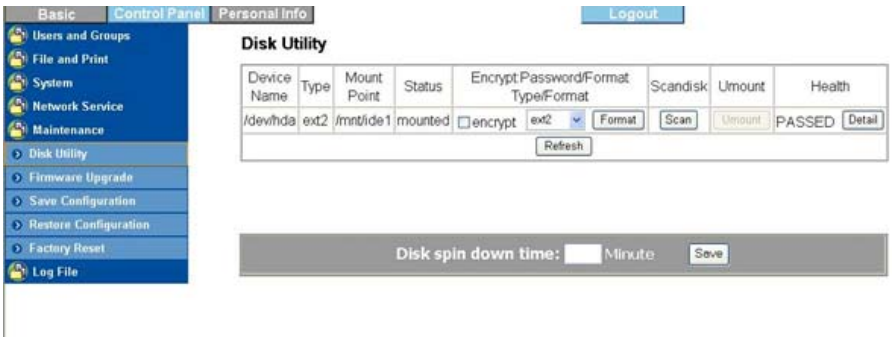
Log File

- Samba Log
- FTP Log
- DHCP Server Log
- System Log
- Administration Log

Account Information

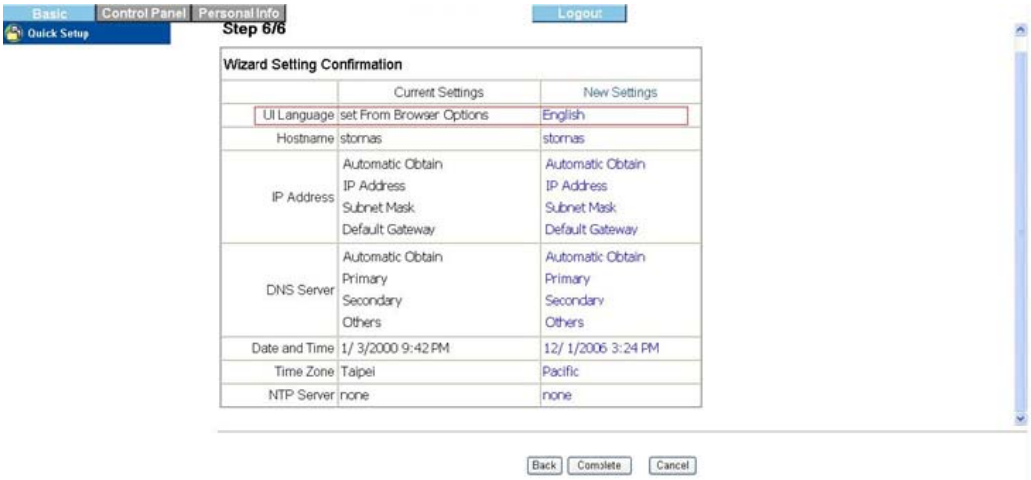
The hard drive should be automatically detected by the system whether or not it is installed A new non-formatted hard drive should be found and formatting the hard drive is suggested by the pop-up window. The system will restart automatically after the format is completed.

If a formatted hard drive is found, the system will attempt to retrieve user information from the hard drive.



Quick Setup

To modify the language support on the web page, please follow the instruction below:



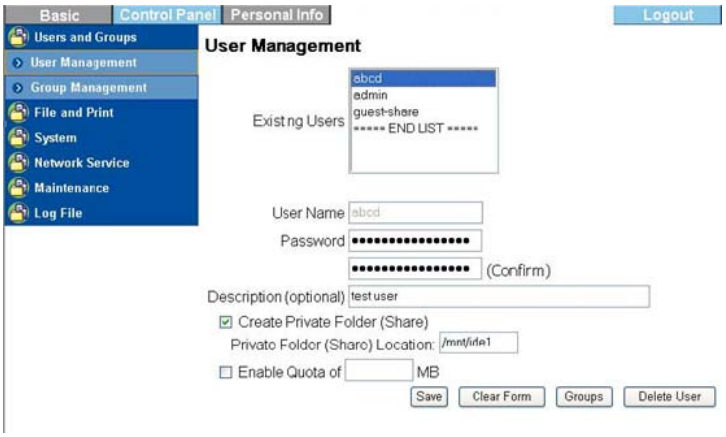
To add user support, select the Add User chapter for setting. Please refer to Users and Groups chapter for more detail.

To add group support, select the Add Group chapter for setting. Please refer to Users and Groups chapter for more detail.

To add folder sharing support, select the Add Share chapter for setting. Please refer to Share Management chapter for more detail.

Users and Groups

In the User Management menu, there will be a display of all existing users in the system. A new user can be created by filling out the form and clicking the “Save” button when done. To delete a specific user, select the existing user and click on the “Delete User” button. Click the “Group” button to enter the Group Management menu.



In the Group Management menu, you will see all existing groups in the system. A new group can be created by filling out the form and clicking the “Save” button when done. Select the existing group

name and click the “Delete Group” button to delete a specified group. To add or remove users from an existing group, highlight the group name and click the “Members” button.

File and Print

Three sections are included in “File and Print“: “File server”, “Share Management”, and “Printer server”.

File Server

Windows Setting

- Click the “Enable” check box to enable Microsoft Windows connection
- Set Workgroup name for Windows client to access
- Define Windows Internet Name Server IP address

FTP Server setting

- Click “Enable” to enable FTP server function, and default port 21.

NFS Server Setting

- Click “Enable” to enable NFS server function

Guest Access Setting

- Click “Enable” to allow access to the guest-share folder and guest-user set upload quota (Mega Bytes)

Share Management

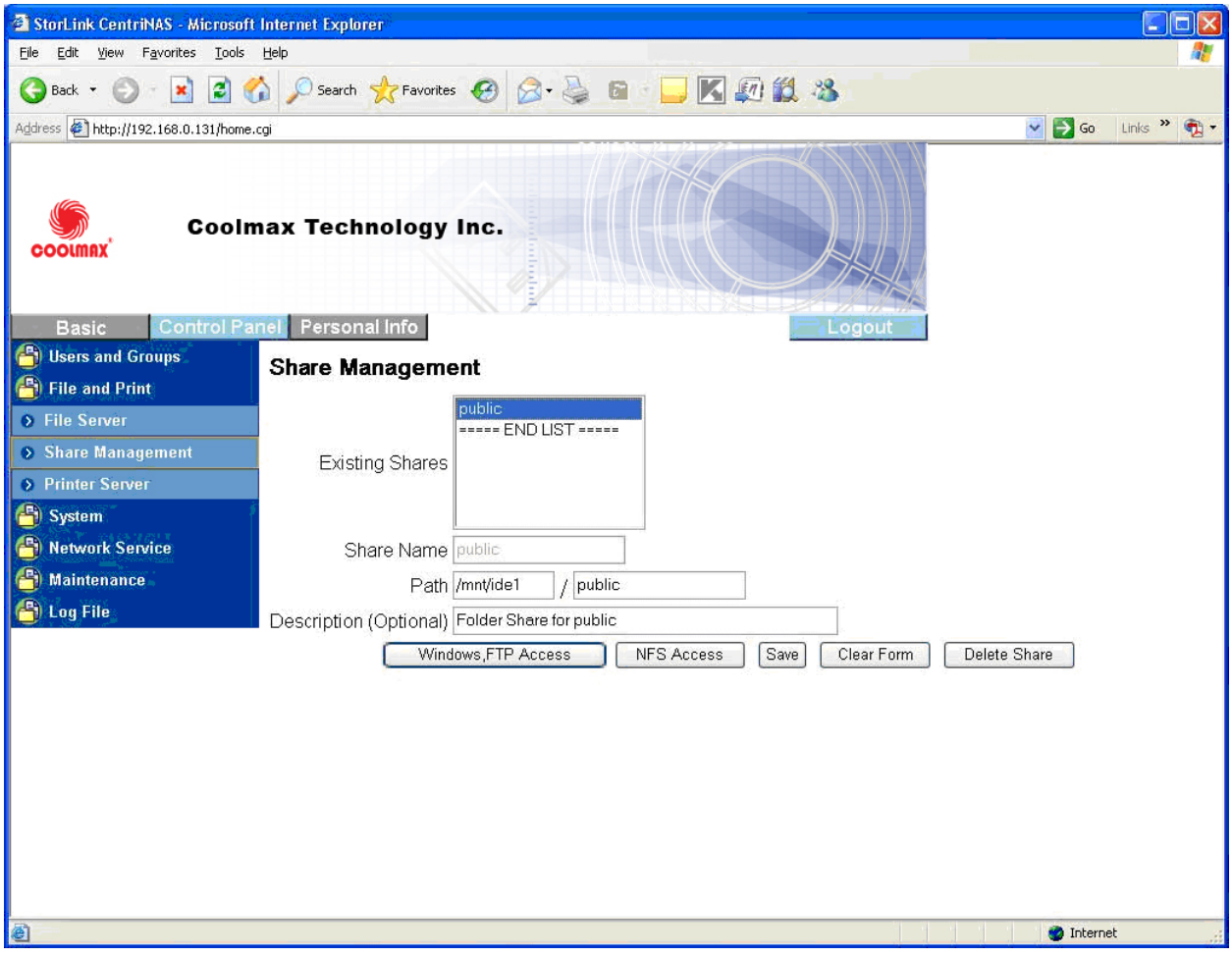
It shows all existing shared names; “public” was the factory default share name located at system/shares/public directory.

Create Share

Fill in the “Share name” and “Path” boxes. By pressing “save”, a new share name will be created.

Property Change

Click a share name in the “Existing Shares” box to modify the property of the share name. Press “Windows, FTP Access” or “NFS Access” button could set or remove read/write permission of the share.



Windows and FTP Access

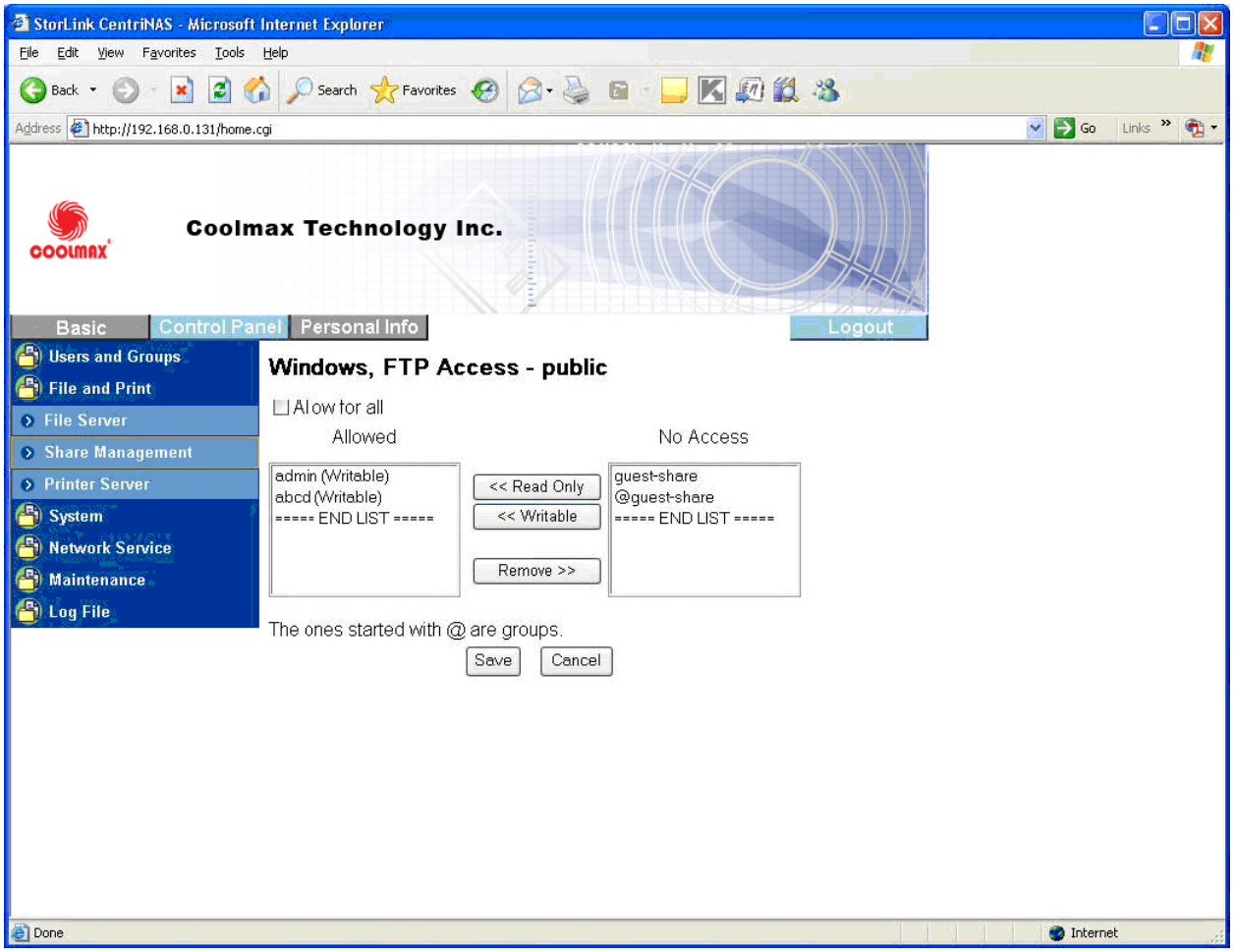
“Allow for all” is to allow all users to access the shared storage in the server. You may also specify the User/Group name in the Access box and select “Read Only” or Writable permission to the User/Group.

NFS Access

You could check “Allow for all” to allow all clients access to the NFS server. Or you can add client PCs IP address/Subnet mask to the permission list to allow only those on the permission list to access the NFS server.

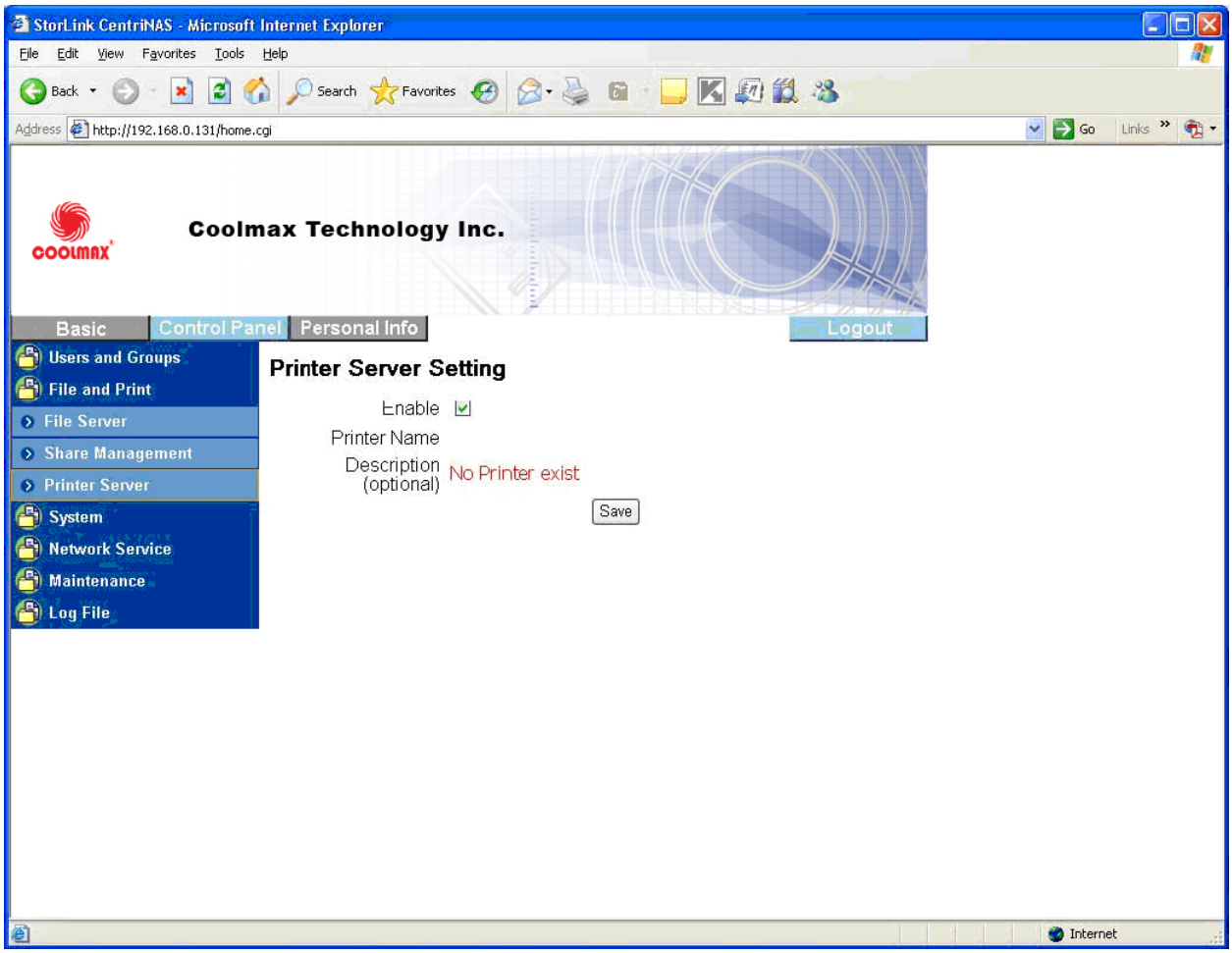
Delete Share

“Delete Share” deletes a specified share name.



Printer Server

Check the Printer Server “Enable” box to enable Print Server functions.



System setting

There are eight sections included in “System Setting”, which are “LAN Settings”, “Time Setting,”, “RAID Setting”, “Turn Off Server”, “Information”, “Disk Usage”, and “Error Notification”.

LAN Settings:

Hostname:

You must assign a unique name for each COOLMAX CN-330 as the identification within your local area network.

IP address setting:

- Obtain IP address automatically:

  The system obtains the IP address automatically via DHCP protocol if the local network has DHCP server available. The default IP address is 192.168.1.1 if it fails to get an IP address from DHCP server.

- Use static IP address:

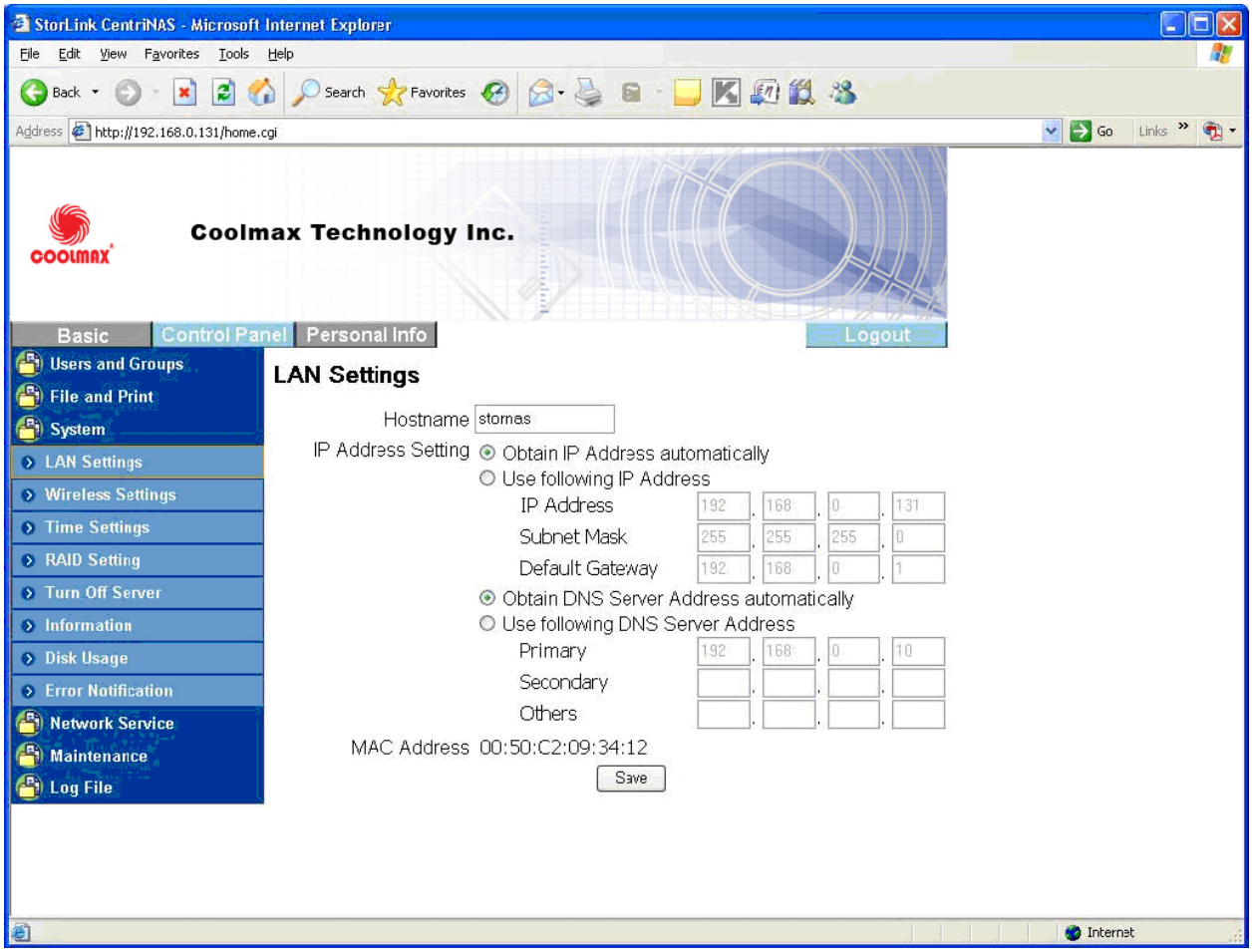
Acquire a unique IP address, Subnet mask, and Default gateway information from your network system administrator. Then fill in the information to the GUI.

- Obtain DNS server address automatically:

  The system gets DNS server addresses from DHCP server if available.

- Use static DNS server addresses:

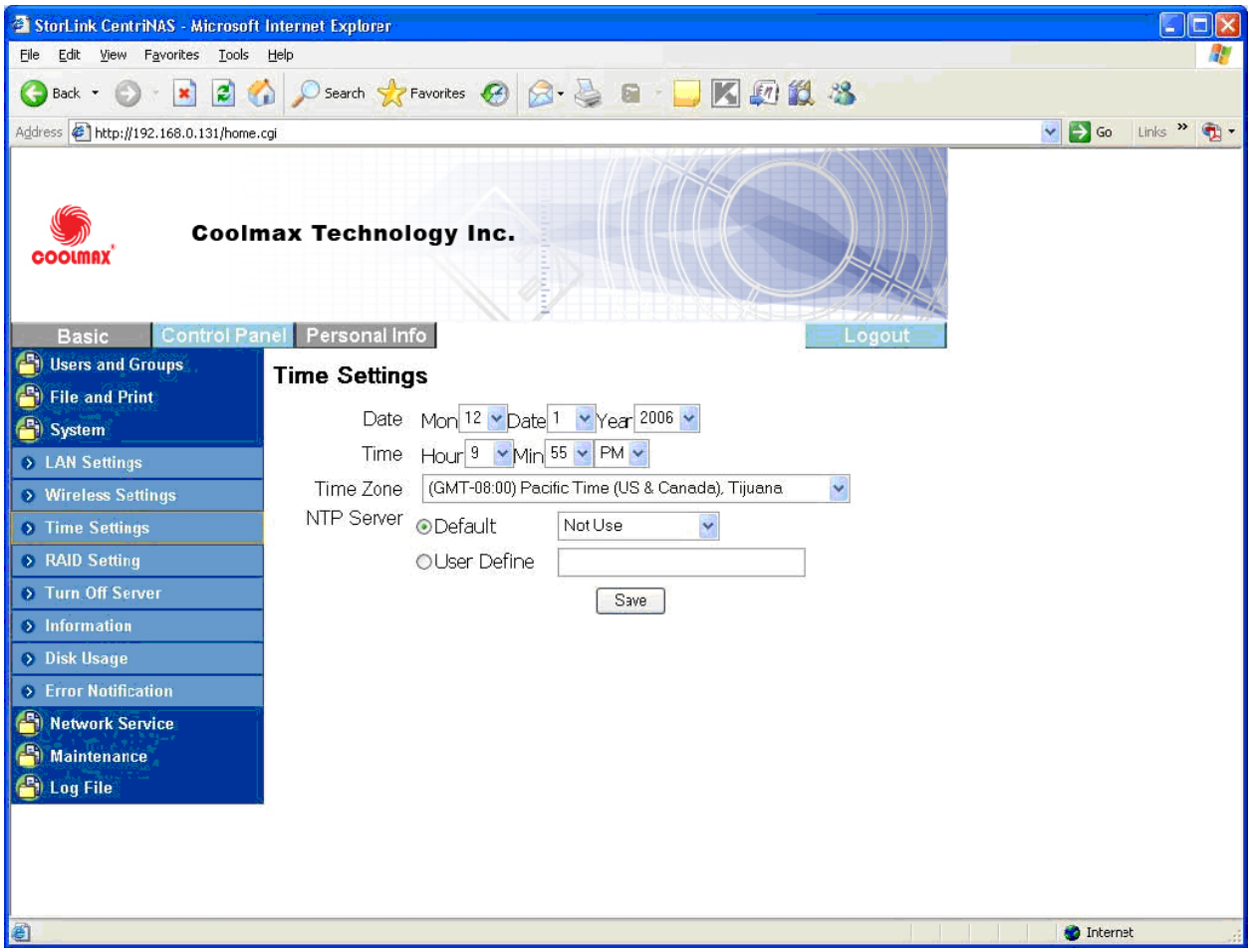
  Specify DNS server address in the GUI.



Time Setting

Set current Date, Time and Time zone.

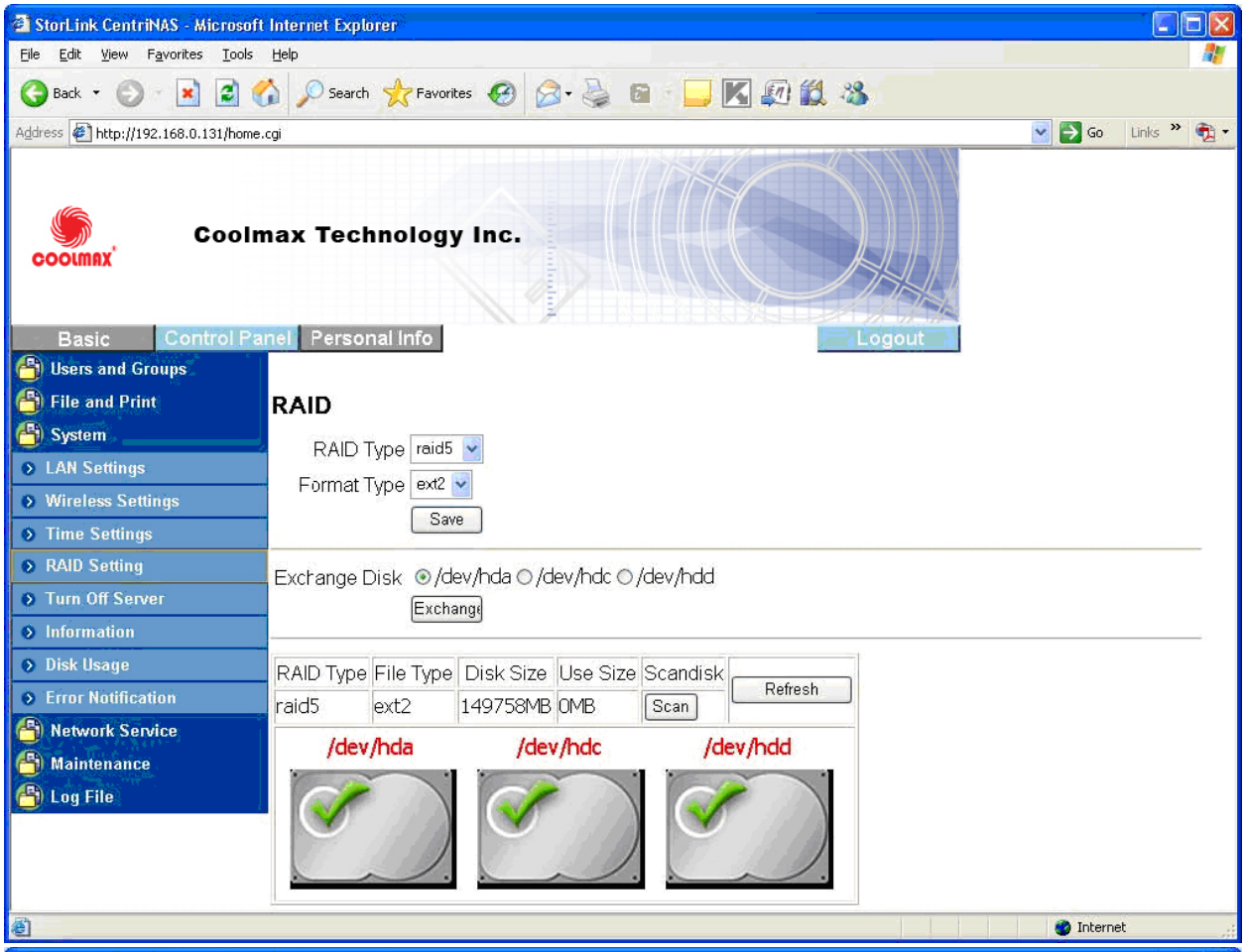
Specify NTP server if you want to get Date and Time from time server.



RAID Setting

COOLMAX CN-330 supports RAID type 0, 1 and 5 depending on the hard driver amount. If COOLMAX CN-330 only plugs in one hard driver, the “RAID Type” box will show “None” item. If COOLMAX CN-330 plugs in two hard drivers, the “RAID Type” box will show “None”, “raid0” and “raid1” items. If COOLMAX CN-330 plugs in three or four hard drivers, the “RAID Type” box will show “None”, “raid0”, “raid1” and “raid5” items.

Save button: This is used to format the hard driver from ext2 to ext3 or from ext3 to ext2 file system.
Scan Button: This is used to check the disk integrity.
Refresh button: This is used to refresh the hard driver status.
Rebuild button: This is used to rebuild the RAID file system when the hard driver is broken.


StorLink CentriNAS - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://192.168.0.131/home.cgi
Go Links
coolmax
Coolmax Technology Inc.
Basic
Control Panel
Personal Info
Logout
Users and Groups
File and Print
System
LAN Settings
Wireless Settings
Time Settings
RAID Setting
Turn Off Server
Information
Disk Usage
Error Notification
Network Service
Maintenance
Log File
RAID
RAID Type raid5
Format Type ext2
Save
Exchange Disk /dev/hda /dev/hdc /dev/hdd
Exchange
RAID Type File Type Disk Size Use Size Scandisk
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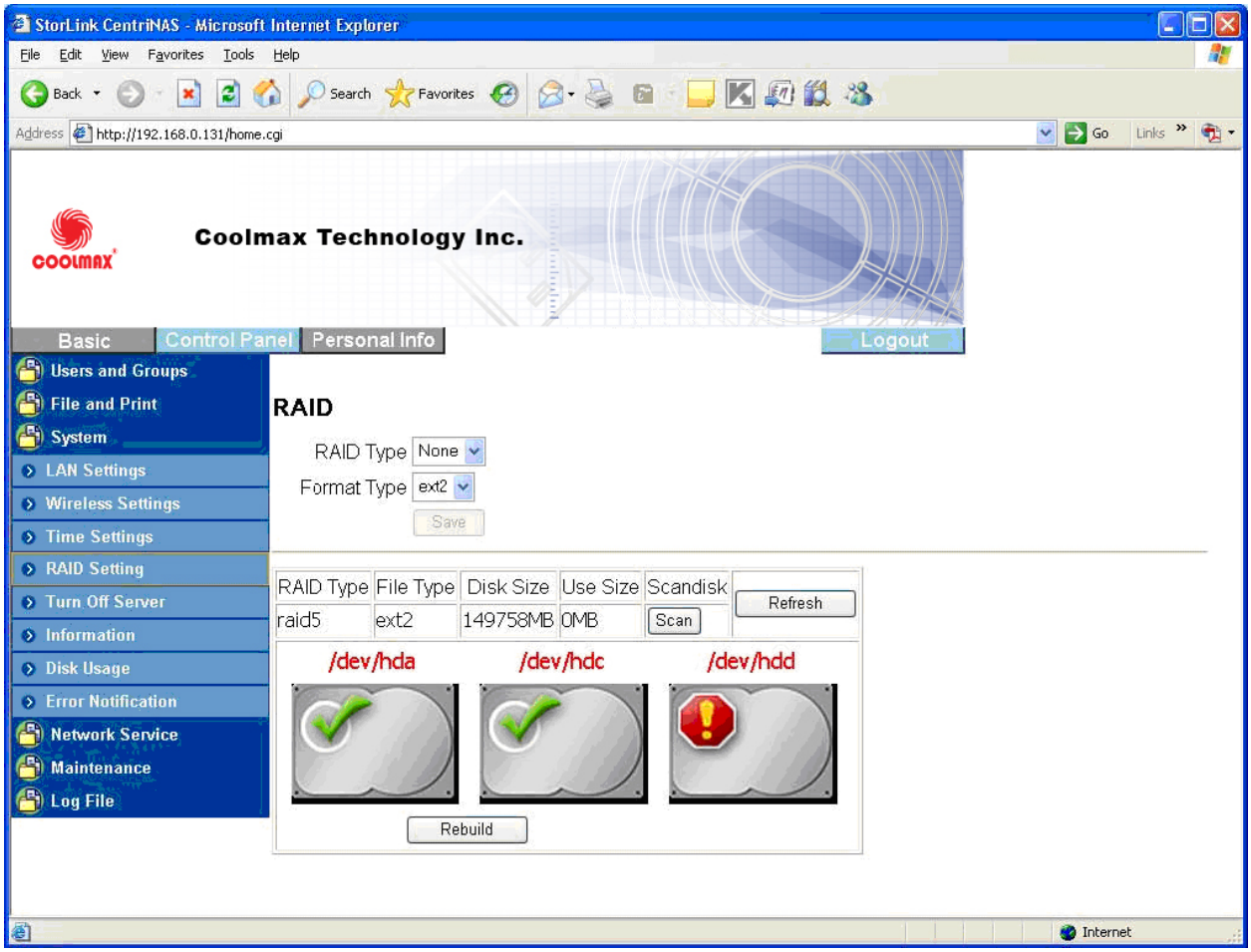
Refresh
/dev/hda
/dev/hdc
/dev/hdd
Internet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LAN Settings
Wireless Settings
Time Settings
RAID Setting
Turn Off Server
Information
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Error Notification
Network Service
Maintenance
Log File
RAID
RAID Type None
Format Type ext2
Save
RAID Type File Type Disk Size Use Size Scandisk
raid5 ext2 149758MB 0MB Scan
Refresh
/dev/hda
/dev/hdc
/dev/hdd
Rebuild
Internet

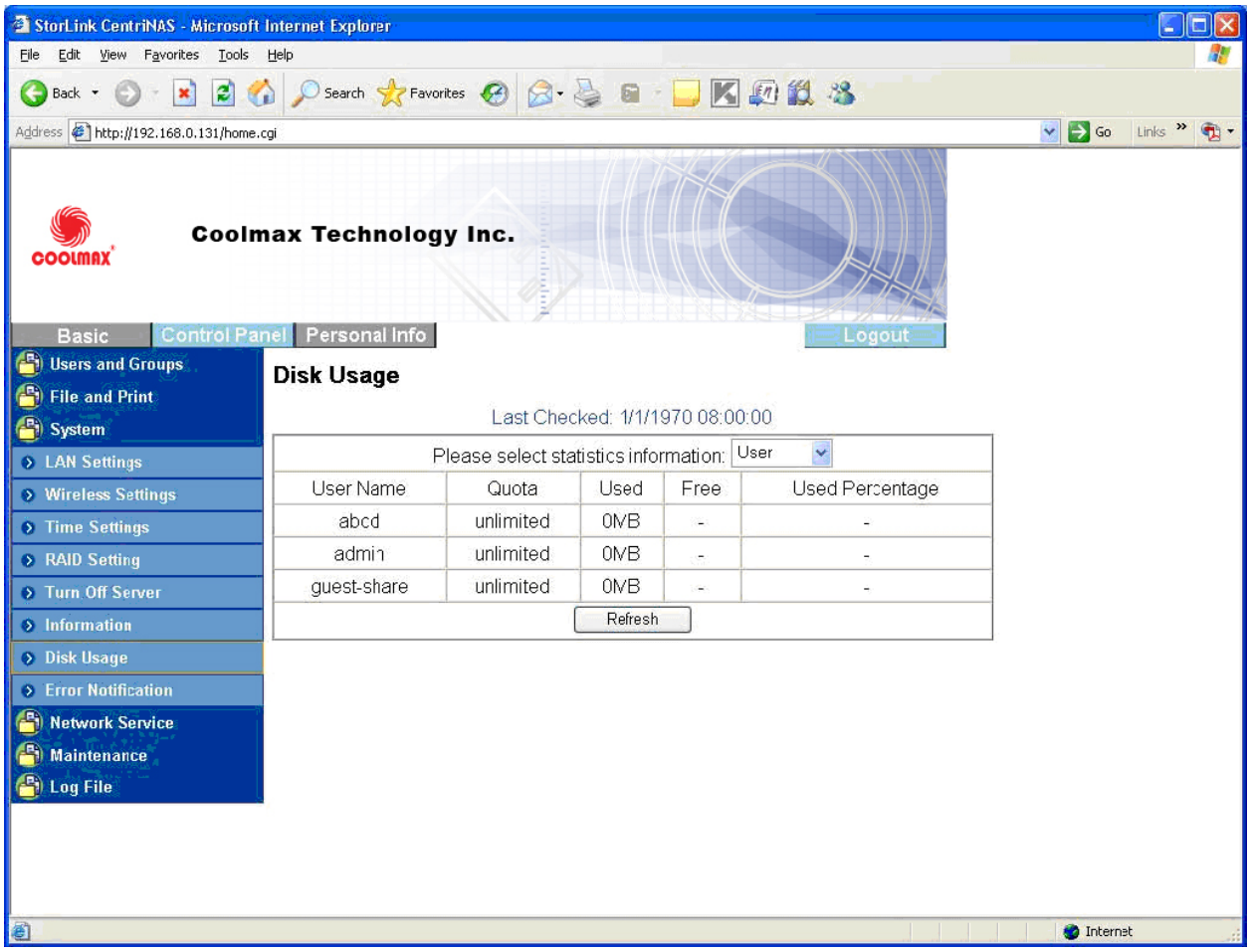
Turn Off Server

To restart the server, click the “Restart” button.

To power off the server, click the “Shutdown” button.

Disk Usage

Collects and displays all HDDs usage summary and user’s quota information.



Error Notification

Monitoring Services Setting:

- **Disk Usage:** The system will send a message informing the administrator when the disk usage reaches 90%.
- **Windows File Sharing Server:** The system will send a message informing the administrator if the samba task encounters any problems.
- **FTP Server:** The system will send a message to the administrator if the FTP Server task encounters any problems.
- **DHCP Server:** The system will send a message informing the administrator if the DHCP Server task encounters any problems.

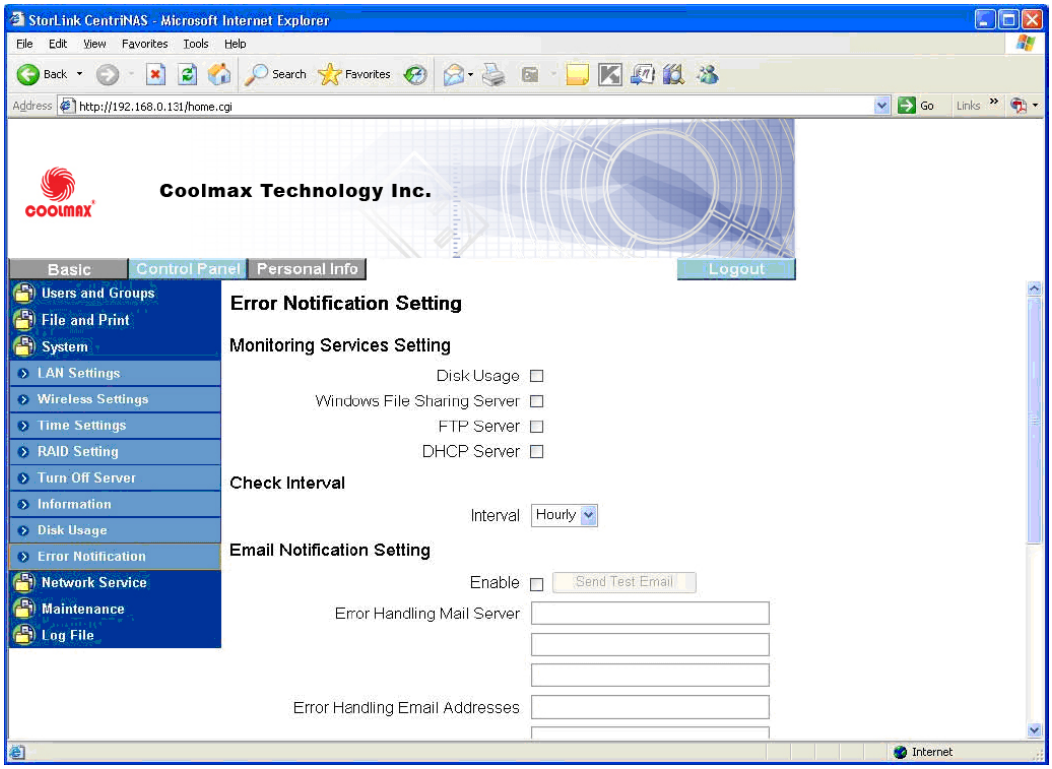
- **Check Interval:** You can select intervals from hourly to daily to have the system perform checks.

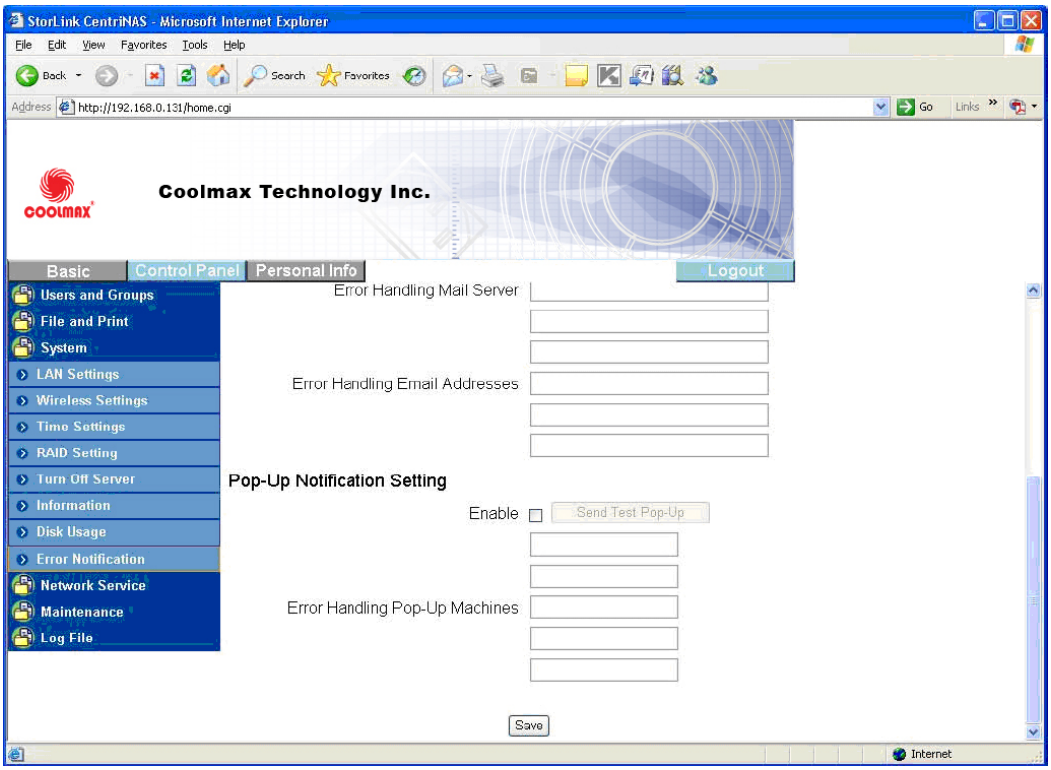
Email Notification Setting:

- **Enable:** Enable notification method by an email.
- **Error Handling Mail Server:** Specify your email host name.
- **Error Handling Email Addresses:** Specify administrator email address.

Pop-Up Notification Setting:

- **Enable:** Enable notification method by Windows pop-up messages.
- **Error Handling Pop-Up Machines:** Specify administrator PC IP address.



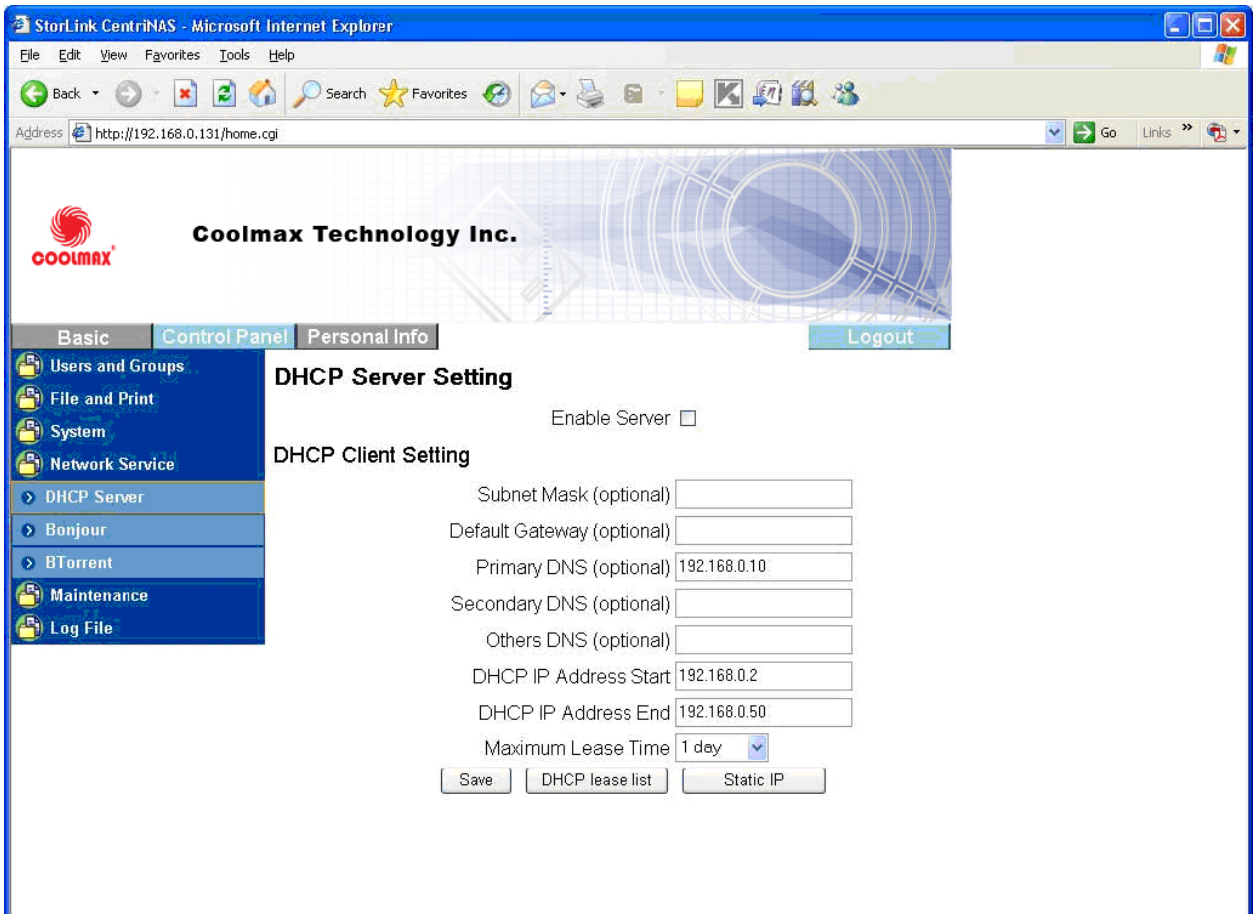


Network Service

DHCP Server

To enable DHCP Server, take the following steps:

- If COOLMAX CN-330 failed to get an IP address from the external DHCP Server, it uses the default IP address 192.168.1.1 and turn on its DHCP Server automatically.
- If COOLMAX CN-330 successfully gets an IP address from the external DHCP Server, you should set COOLMAX CN-330 IP address to a static IP address before enabling DHCP Server.



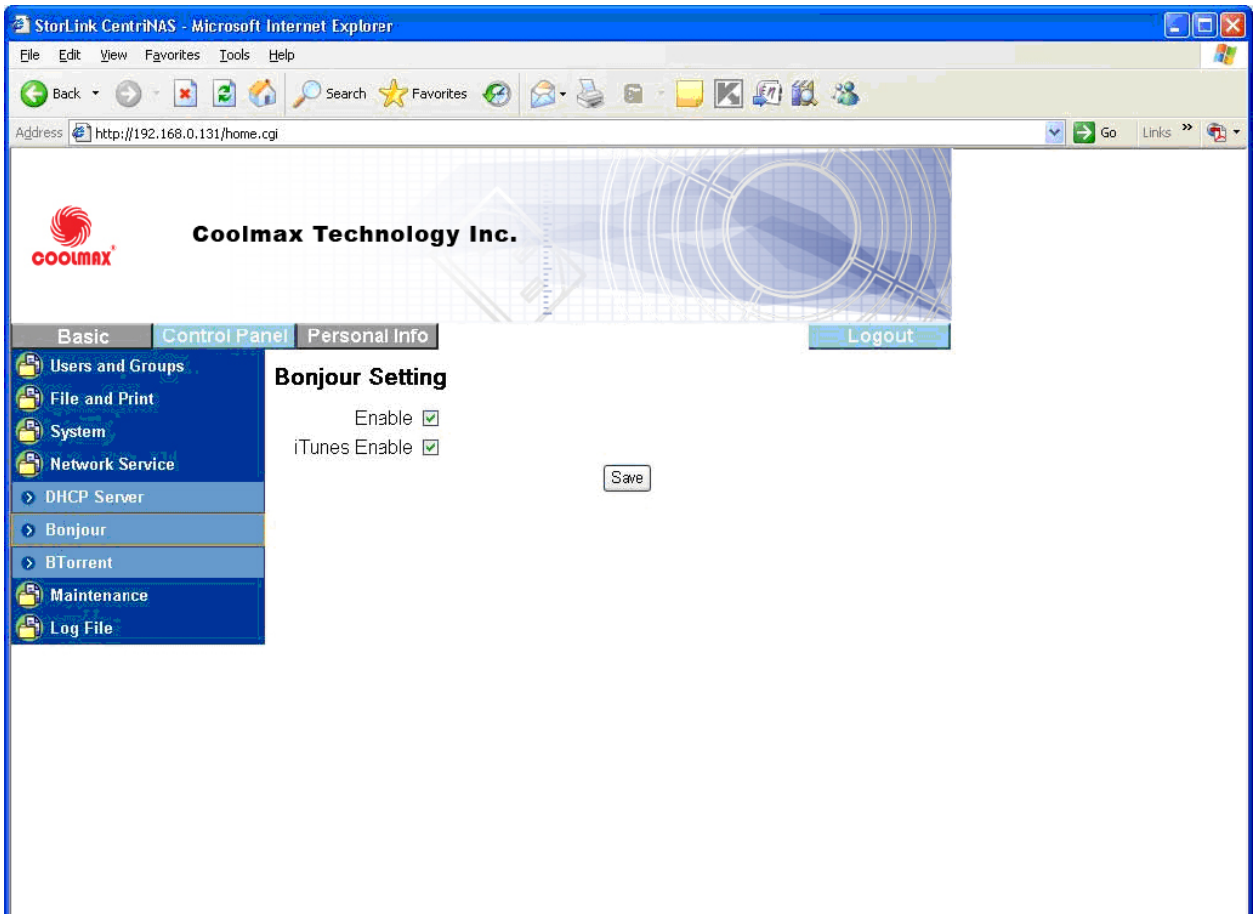
Bonjour

COOLMAX CN-330 supported Apple Bonjour protocol and Apple iTunes server.

Check Enable box to enable Bonjour protocol.

Check iTunes Enable box to enable iTunes server.

All MP3 music files should be put in /public/music folder through samba or ftp protocol then client pc can search COOLMAX CN-330 and play music within iTunes tool. The iTunes tool can be downloaded from Apple’s website.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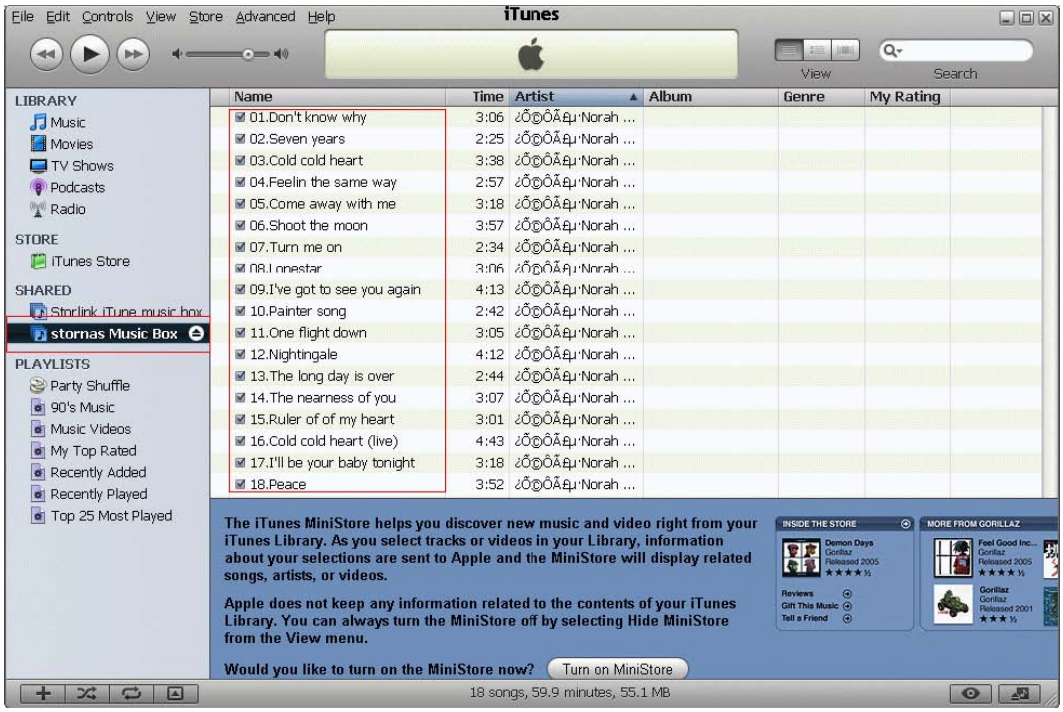
DHCP Server
Bonjour
BTorrent
Maintenance
Log File
Bonjour Setting
Enable
iTunes Enable
Save


File Edit Controls View Store Advanced Help
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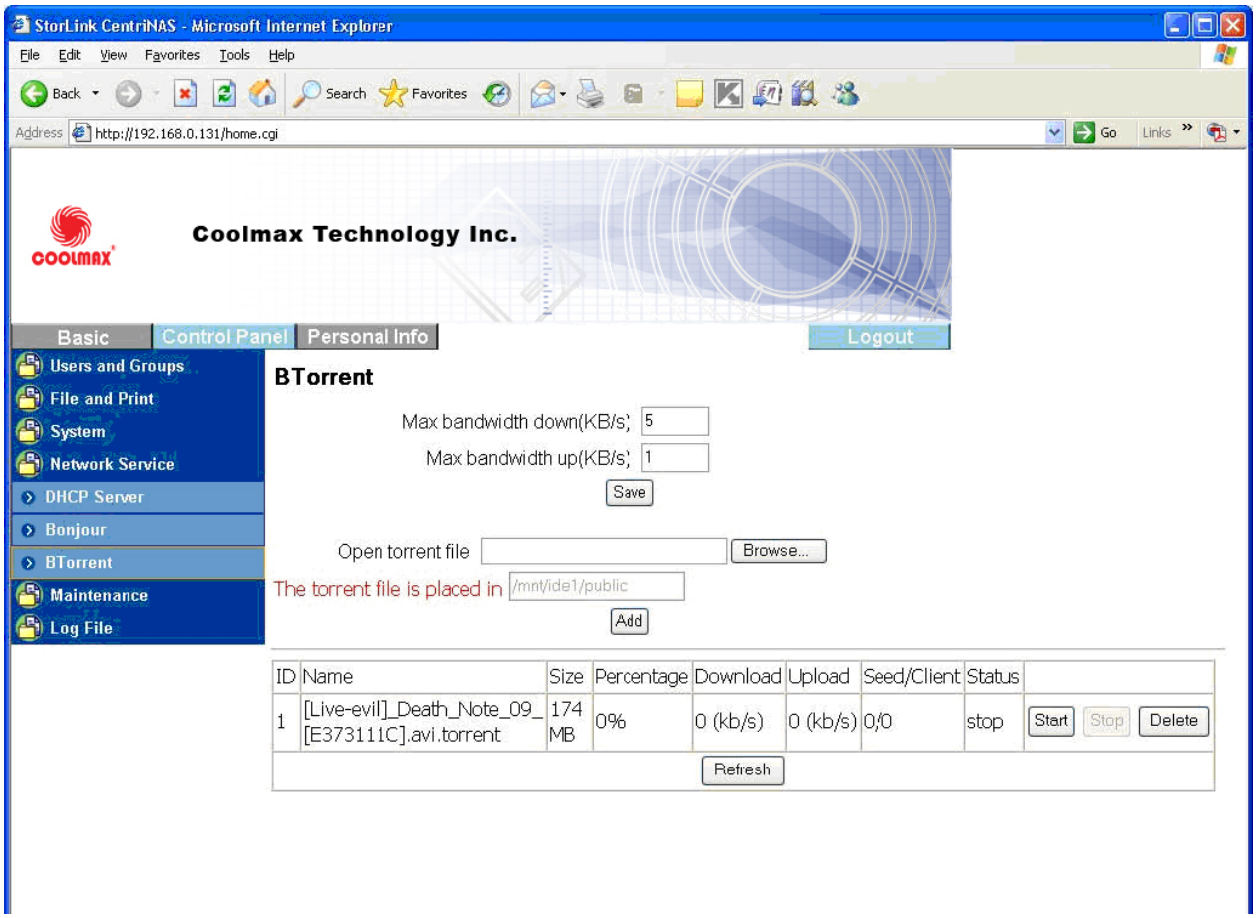
Music
Movies
TV Shows
Podcasts
Radio
STORE
iTunes Store
SHARED
Storlink iTune music box
stornas Music Box
PLAYLISTS
Party Shuffle
90's Music
Music Videos
My Top Rated
Recently Added
Recently Played
Top 25 Most Played
Name
Time
Artist
Album
Genre
My Rating
01.Don't know why 3:06
02.Seven years 2:25
03.Cold cold heart 3:38
04.Feelin the same way 2:57
05.Come away with me 3:18
06.Shoot the moon 3:57
07.Turn me on 2:34
09.I've got to see you again 4:13
10.Painter song 2:42
11.One flight down 3:05
12.Nightingale 4:12
13.The long day is over 2:44
14.The nearness of you 3:07
15.Ruler of of my heart 3:01
16.Cold cold heart (live) 4:43
17.I'll be your baby tonight 3:18
18.Peace 3:52
The iTunes MiniStore helps you discover new music and video right from your iTunes Library. As you select tracks or videos in your Library, information about your selections are sent to Apple and the MiniStore will display related songs, artists, or videos.
Apple does not keep any information related to the contents of your iTunes Library. You can always turn the MiniStore off by selecting Hide MiniStore from the View menu.
Would you like to turn on the MiniStore now?
Turn on MiniStore
18 songs, 59.9 minutes, 55.1 MB

BTorrent

COOLMAX CN-330 supported BTorrent P to P download function. You can download the seed to the system by inputting the correct path and the seed name in the “Open torrent file” Box, or browse by Windows Explorer.

- **Set maximum bandwidth down rate limit**
- **Set maximum bandwidth up rate limit**
- **Add Button**: This is used to add new seed to system.
- **Start Button**: This is used to start download job.
- **Stop Button**: This is used to stop download job.
- **Delete Button**: This is used to delete job.
- **Refresh Button**: This is used to refresh BTorrent job status.



Maintenance

Five sections are included in Maintenance: “Disk Utility”, “Firmware Upgrade”, “Save Configuration”, “Restore Configuration”, and “Factory Reset”.

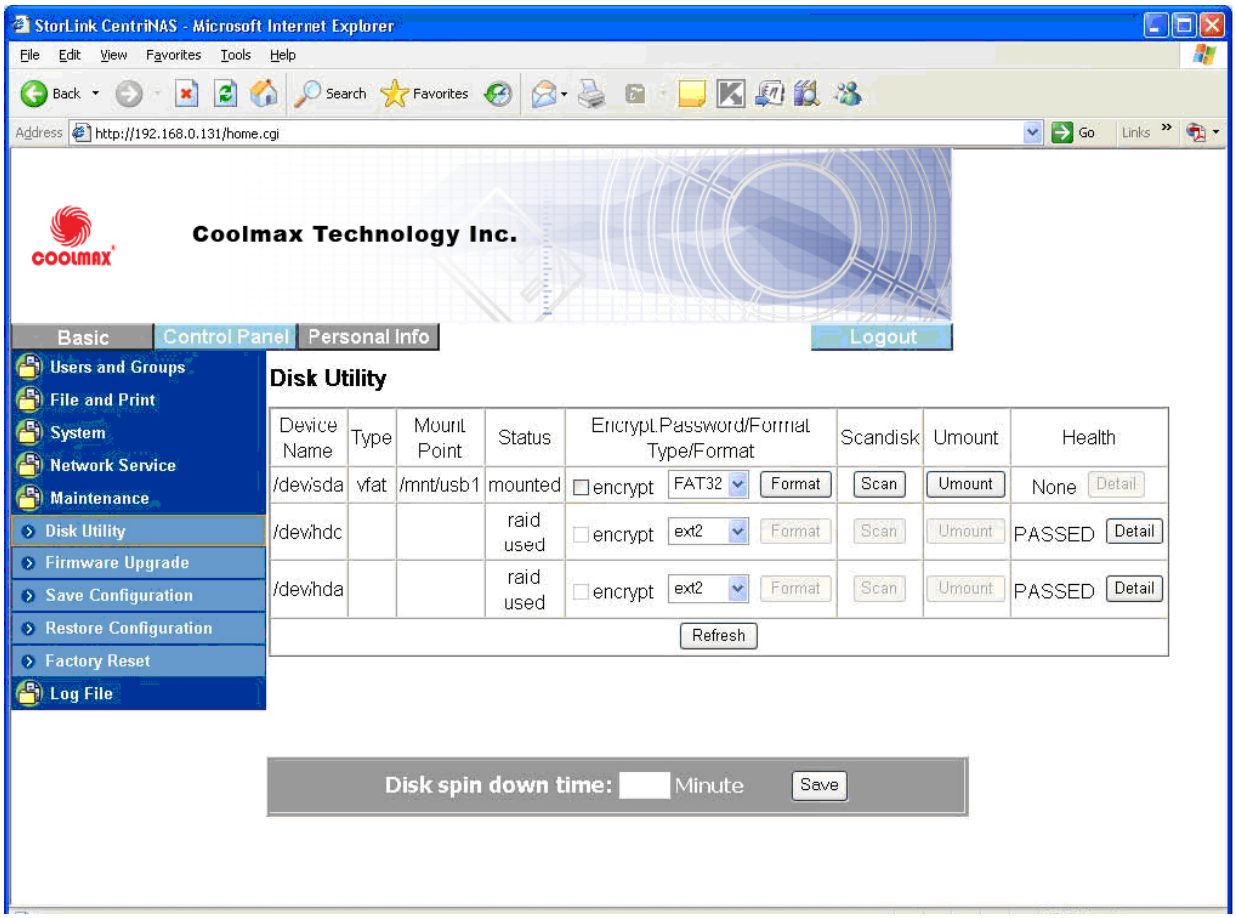
Disk Utility

Disk utility shows the device name, type of file system, total disk size, used disk size, volume mounted, and disk mount status of all disks.

For new attached hard disk, you should format the hard drive before any settings.

To avoid pressing the button by mistake, the system will acquire your confirmation before starting “Format” or “Scandisk” function.

- **Encrypt Box**: COOLMAX CN-330 supports 128 bits loop-AES encryption of EXT2 file system. If you want to turn on this function, you should input a 20 character password and format disk again.
- **Format Button**: This is used to format the specified disk. COOLMAX CN-330 supports three types of file system: “EXT2”, “EXT3”, and “FAT32”.
- **Scan Button**: This is used to check the disk integrity.
- **Detail Button**: If the hard disk supports S.M.A.R.T, it will report the disk health status.
- **Disk Spin Down Time:** Specify your disk spin down time without accessing the hard disk. If you plug in a USB disk, it will mount this disk to /mnt/USB1 and share folder name “usb1” on Samba or FTP.


StorLink CentriNAS - Microsoft Internet Explorer
File Edit View Favorites Tools Help
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Coolmax Technology Inc.
Basic
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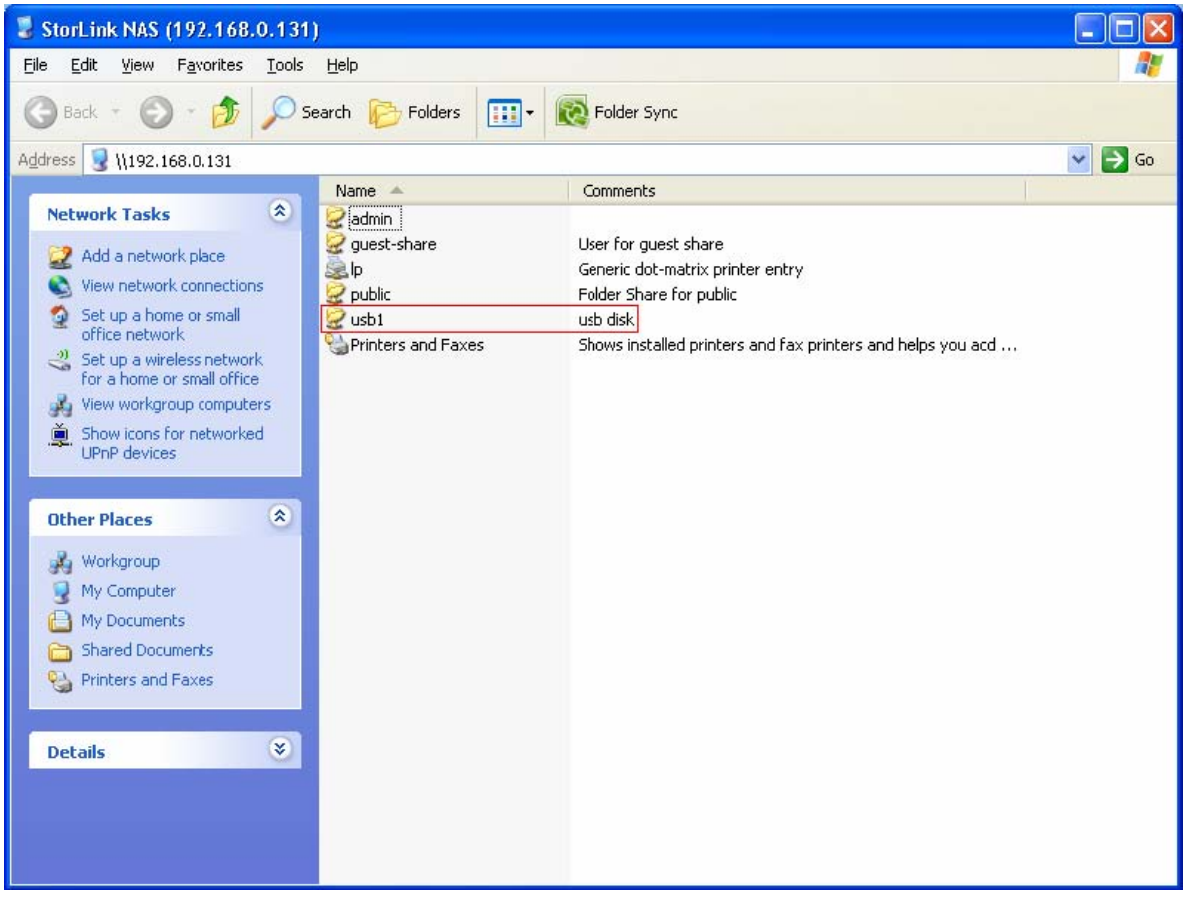
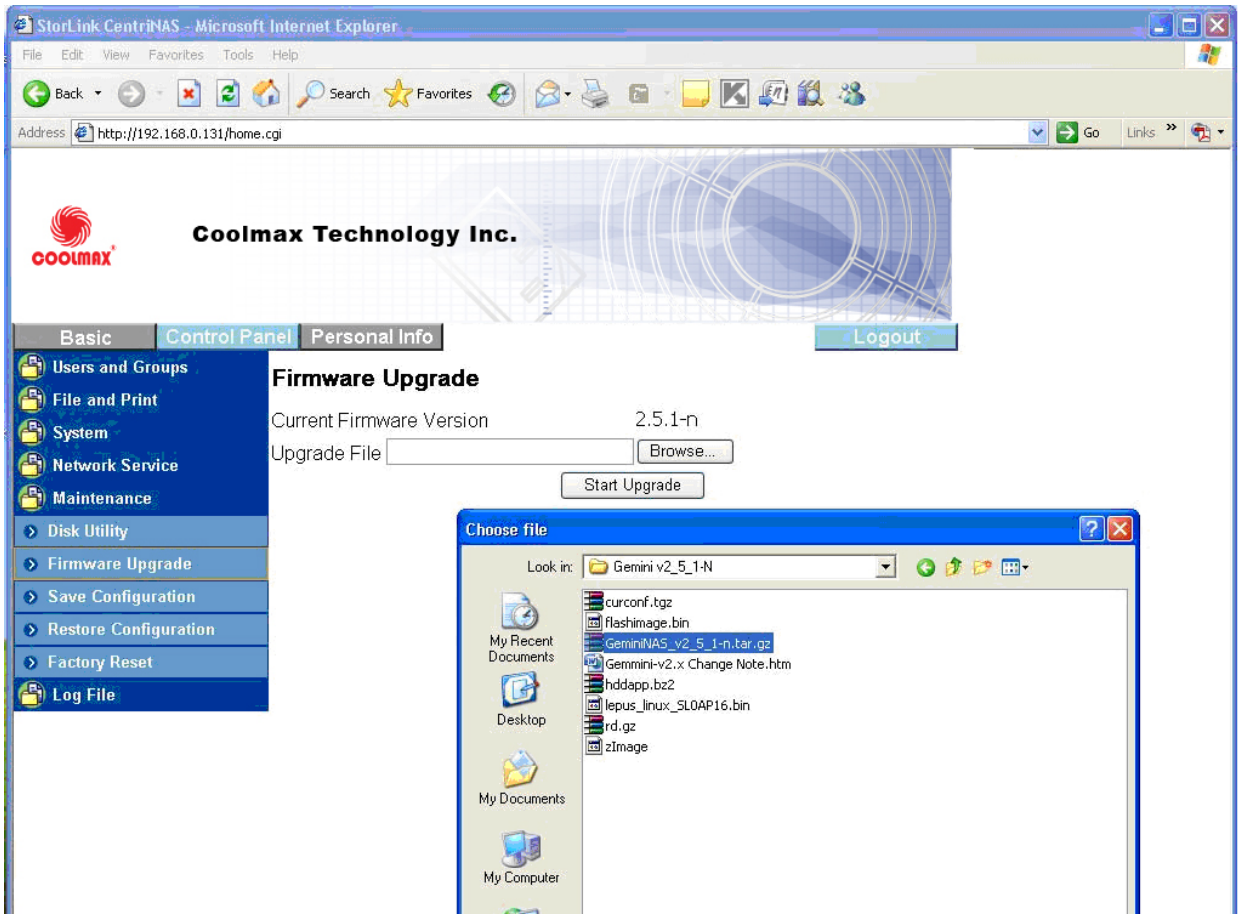
System
Network Service
Maintenance
Disk Utility
Firmware Upgrade
Save Configuration
Restore Configuration
Factory Reset
Log File
Disk Utility
Device Name
Type
Mount Point
Status
Encrypt,Password/Format Type/Format
Scandisk
Umount
Health
/dev/sda
vfat
/mnt/usb1
mounted
encrypt
FAT32
Format
Scan
Umount
None
Detail
/dev/hdc
raid used
ext2
PASSED
/dev/hda
Refresh
Disk spin down time:
Minute
Save

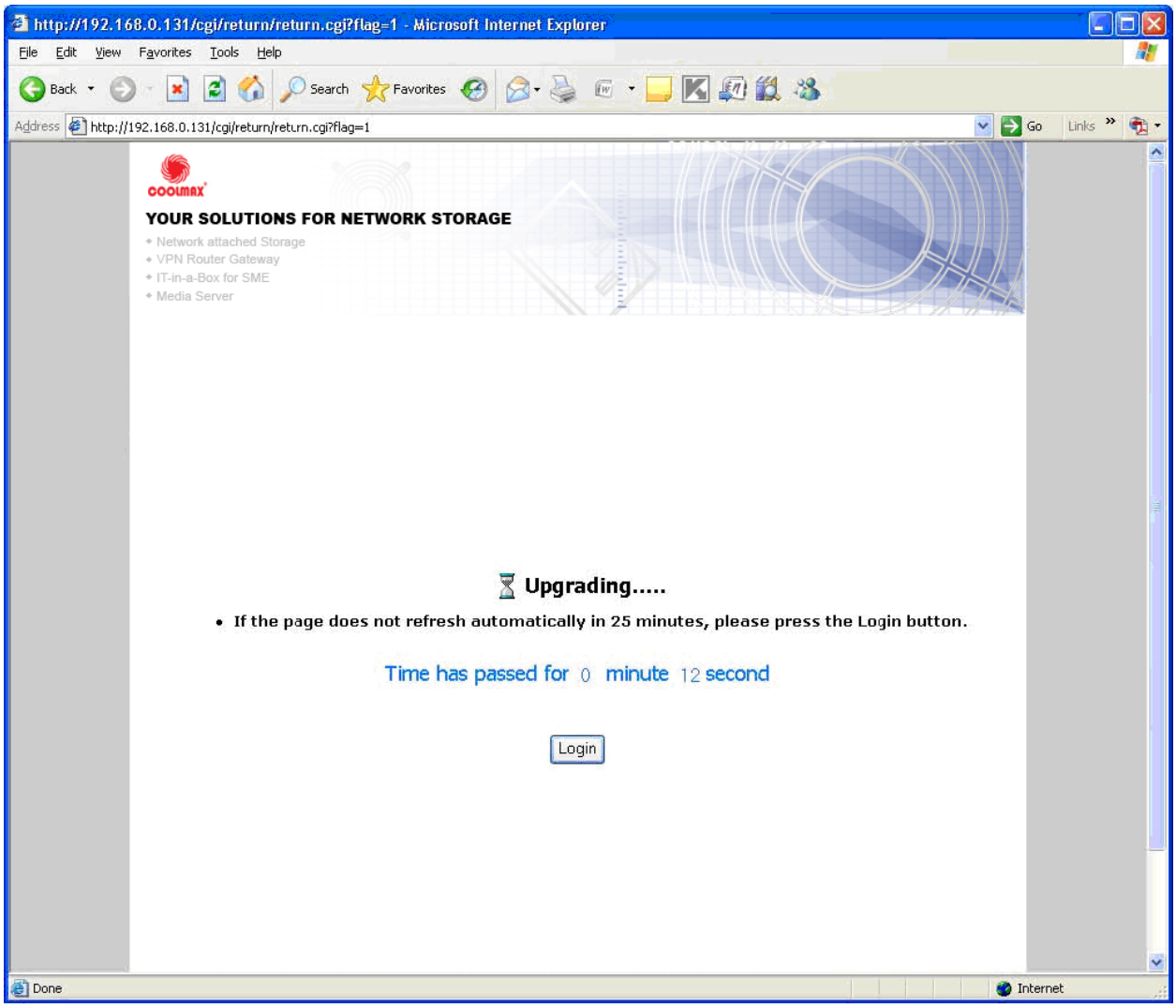

StorLink NAS (192.168.0.131)
File Edit View Favorites Tools Help
Back Search Folders Folder Sync
Address \\192.168.0.131
Go
Network Tasks
Add a network place
View network connections
Set up a home or small office network
Set up a wireless network for a home or small office
View workgroup computers
Show icons for networked UPnP devices
Other Places
Workgroup
My Computer
My Documents
Shared Documents
Printers and Faxes
Details
Name
Comments
admin
guest-share
User for guest share
lp
Generic dot-matrix printer entry
public
Folder Share for public
usb1
usb disk
Printers and Faxes
Shows installed printers and fax printers and helps you acd ...

Firmware Upgrade

This function shows “Current Firmware Version”. You can download the latest firmware version to the system by inputting the correct path and the upgrade file name in the “Upgrade File” box or browse by Windows Explorer. When you upgrade the firmware, all the network services will stop.

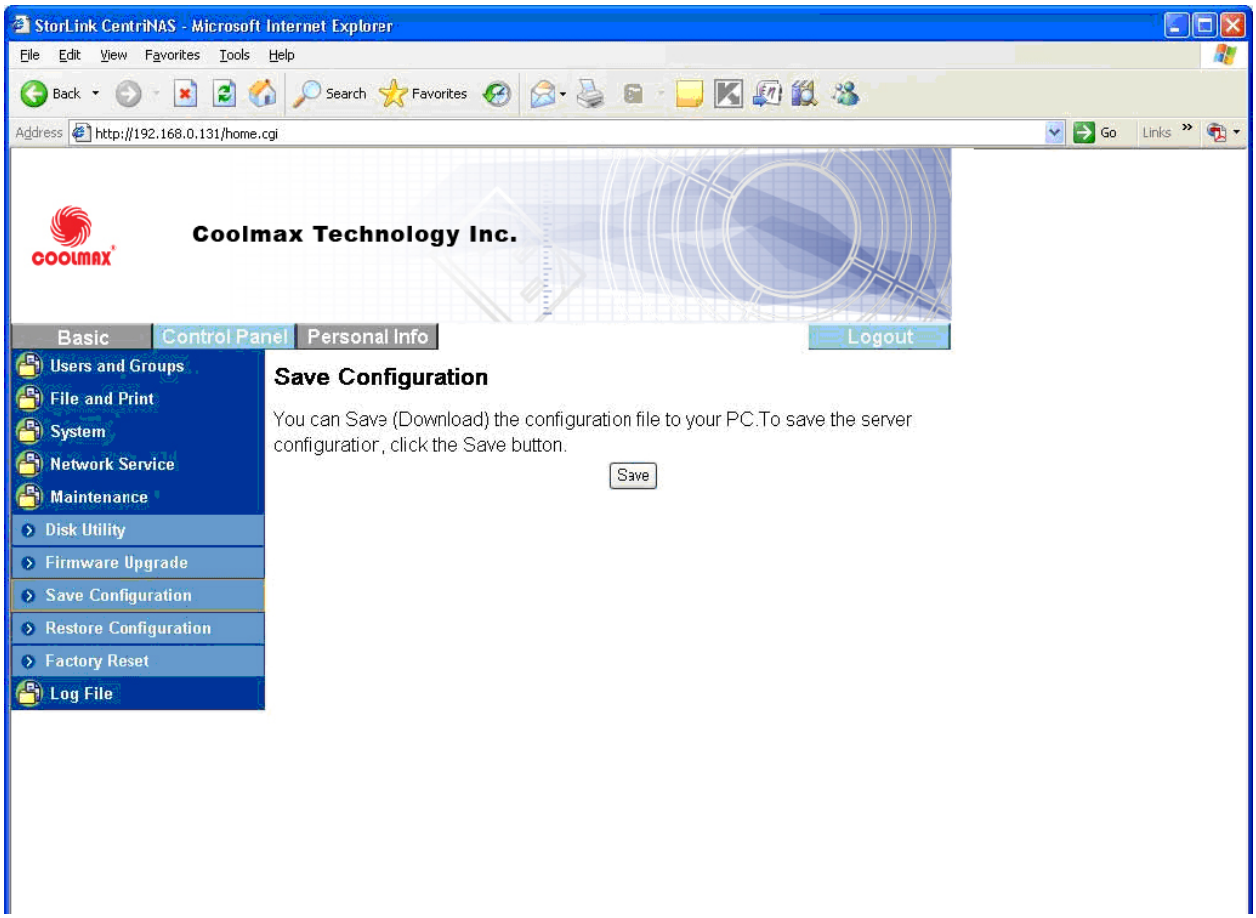


The system counts down and reboots when download completes.



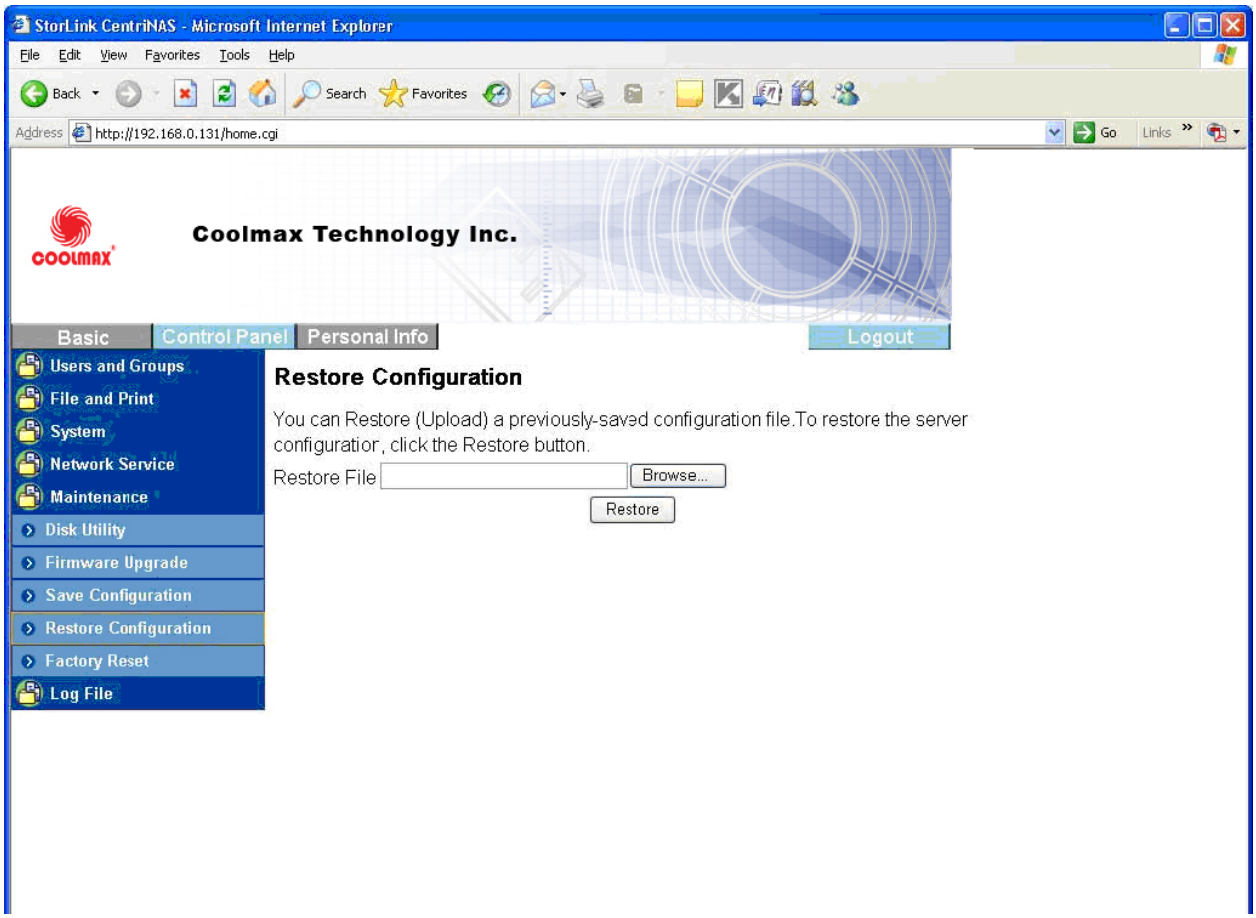
Save Configuration

This function will back up the current system configuration to a local disk and save it in a specified file name. The default file name is “config.tar”.



Restore Configuration

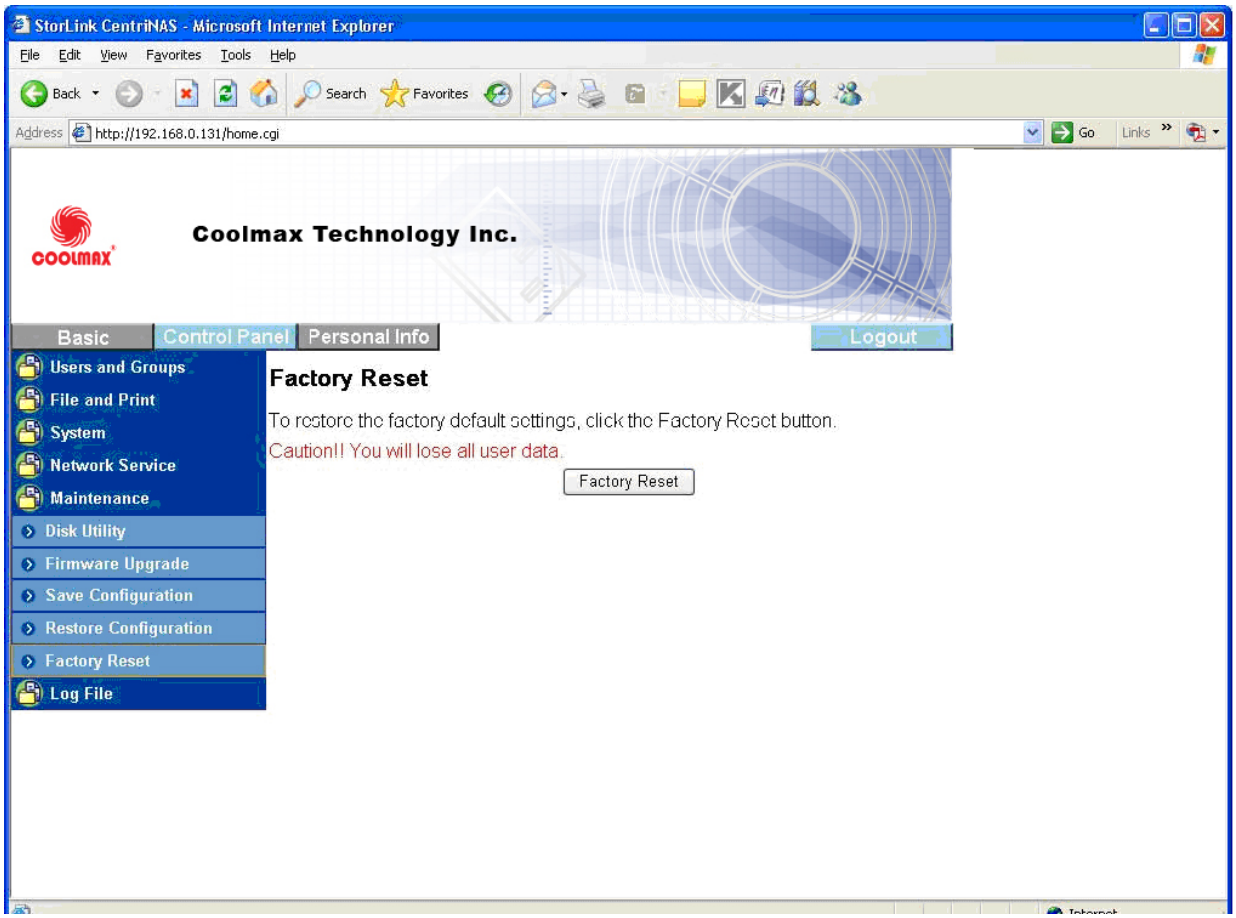
When the system configuration is destroyed, lost, or incorrectly changed, you can restore the system configuration that you saved using the “Save Configuration” function. Select a configuration file by Windows File Explorer, and press the “Restore” button to restore the system configuration using the selected configuration file.



Factory Reset

Factory Reset will reset the system configuration to factory default configuration.

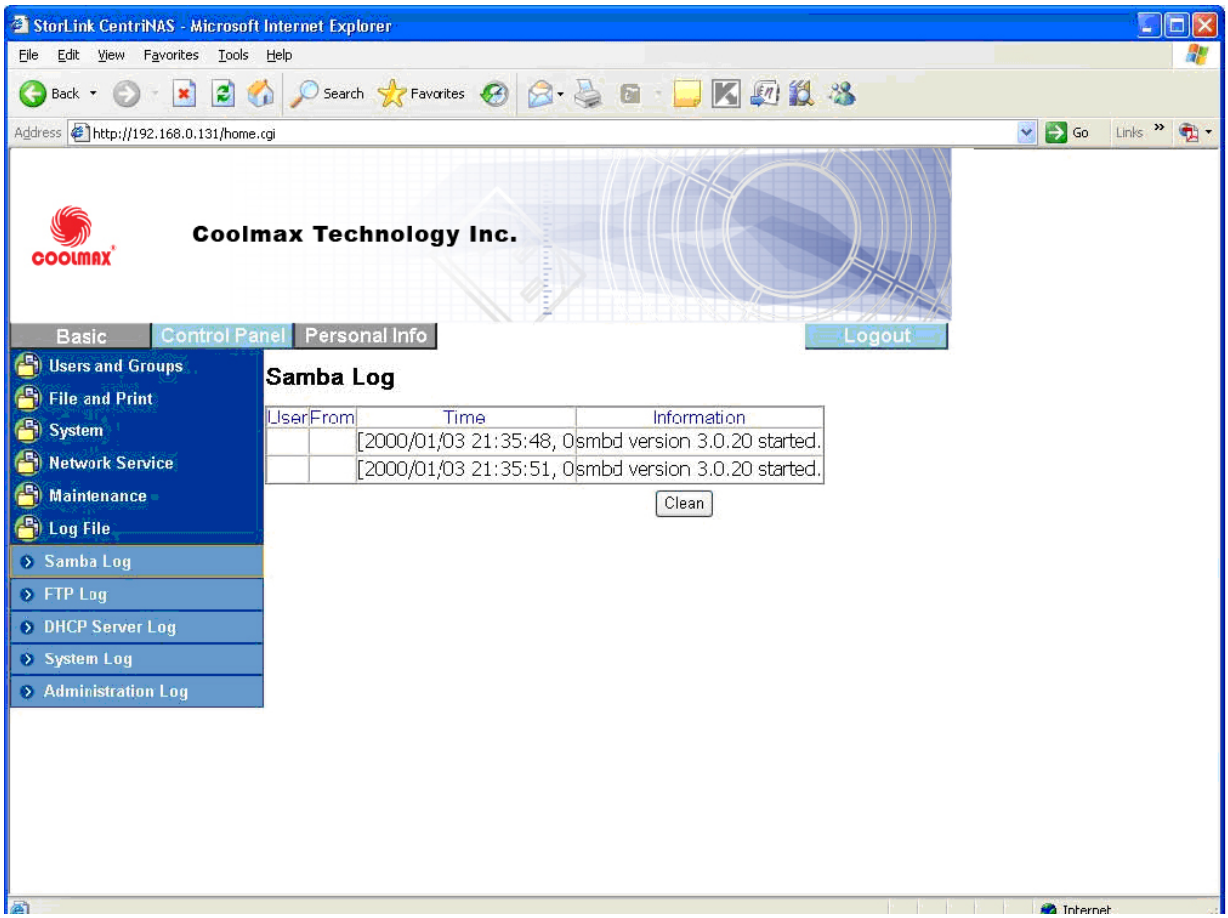
When this button is pressed, all users, networking, and other configuration information will be lost.



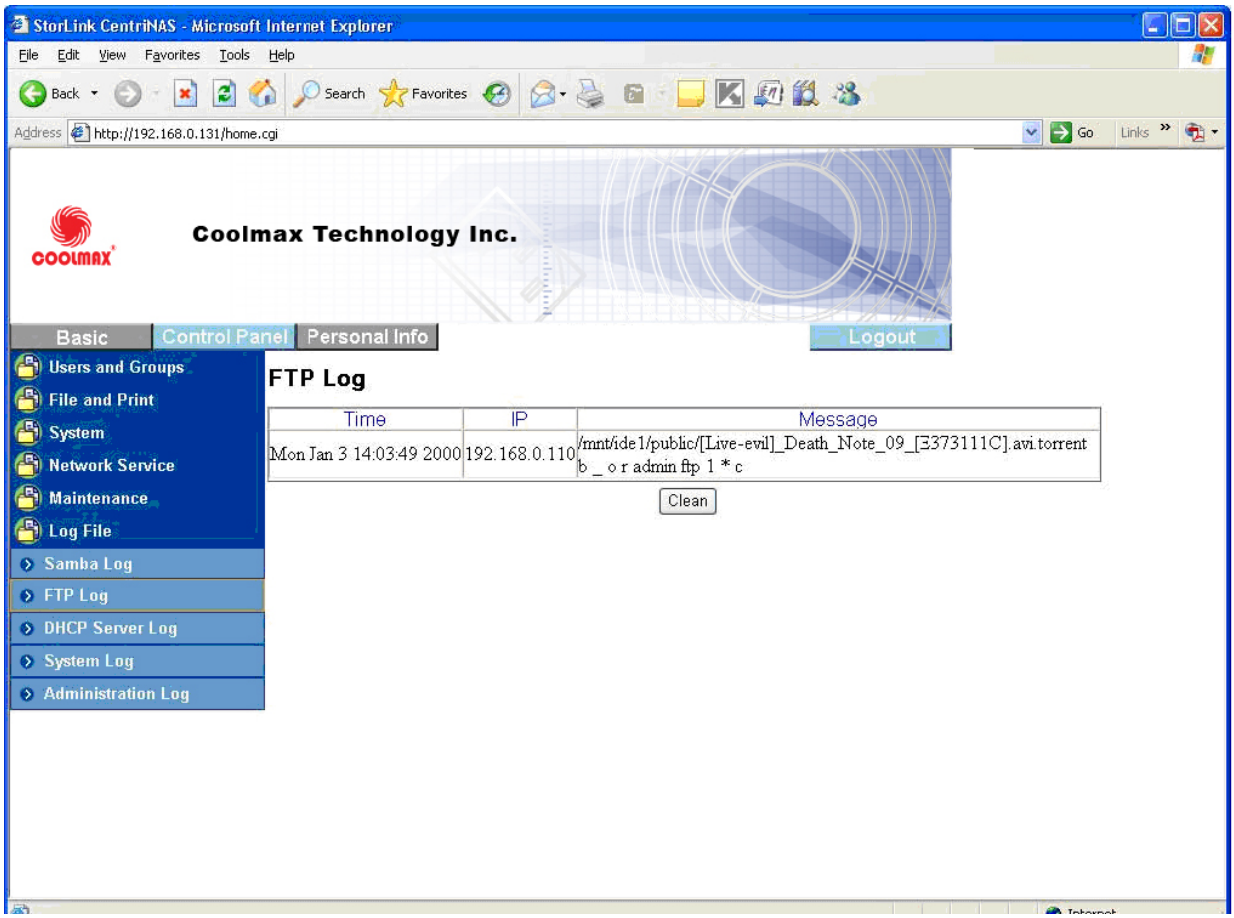
3.2.7 Log File

Five sections are included in Log File: “Samba Log”, “FTP Log”, “DHCP Server Log”, “System Log”, and “Administration Log”.

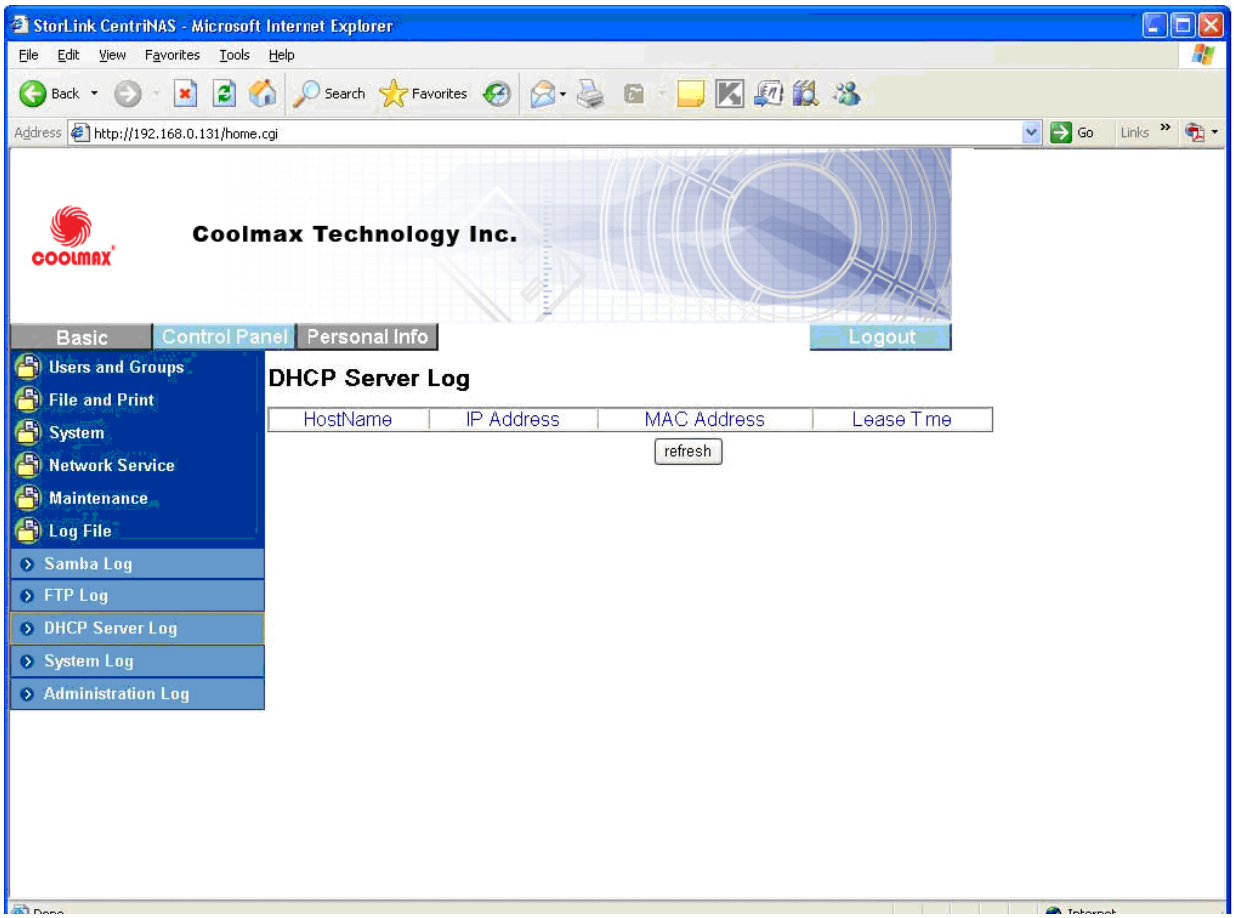
Samba Log


StorLink CentriNAS - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://192.168.0.131/home.cgi
Go Links
Coolmax Technology Inc.
Basic
Control Panel
Personal Info
Logout
Users and Groups
File and Print
System
Network Service
Maintenance
Log File
Samba Log
FTP Log
DHCP Server Log
System Log
Administration Log
Samba Log
User From Time Information
[2000/01/03 21:35:48, 0 smbd version 3.0.20 started.
[2000/01/03 21:35:51, 0 smbd version 3.0.20 started.
Clean
Internet

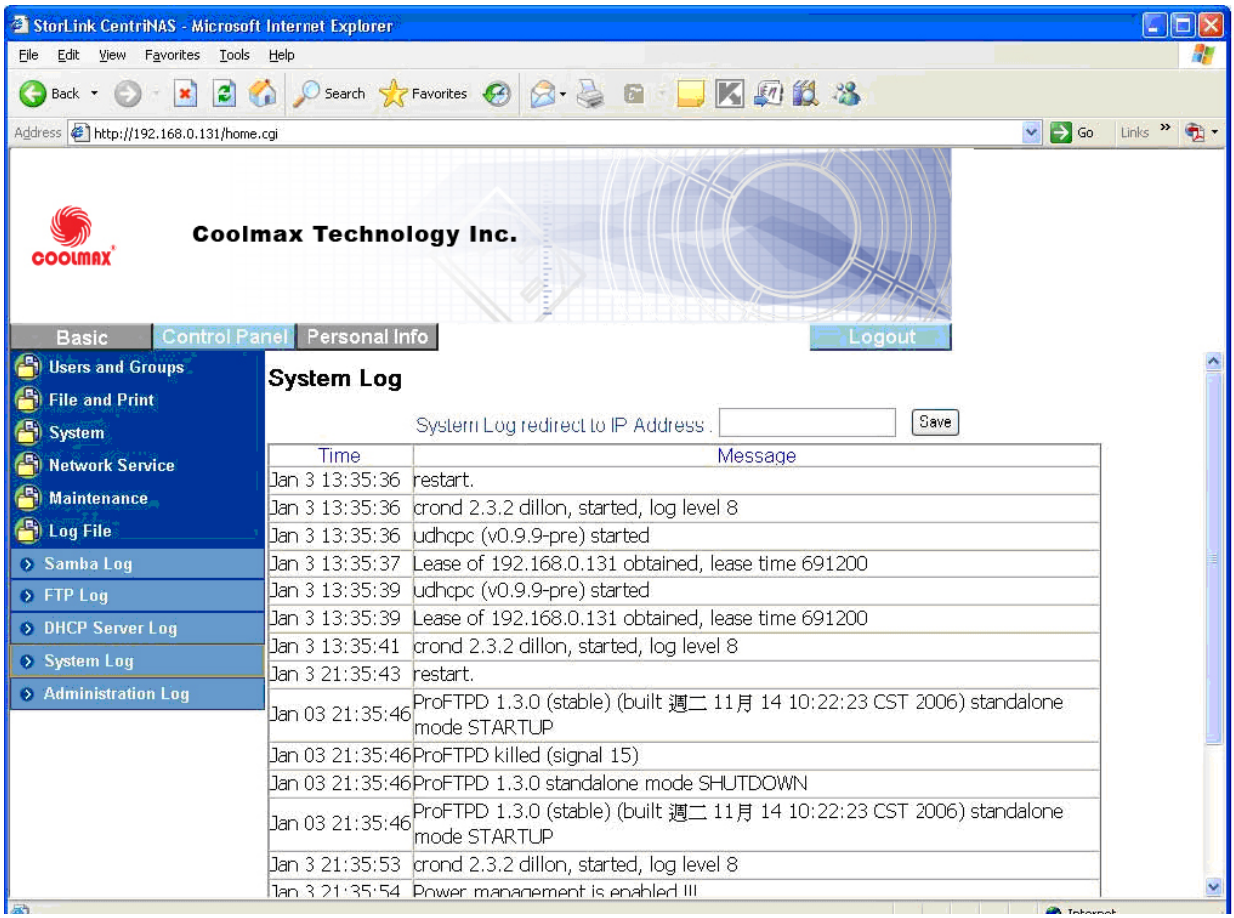
FTP Log



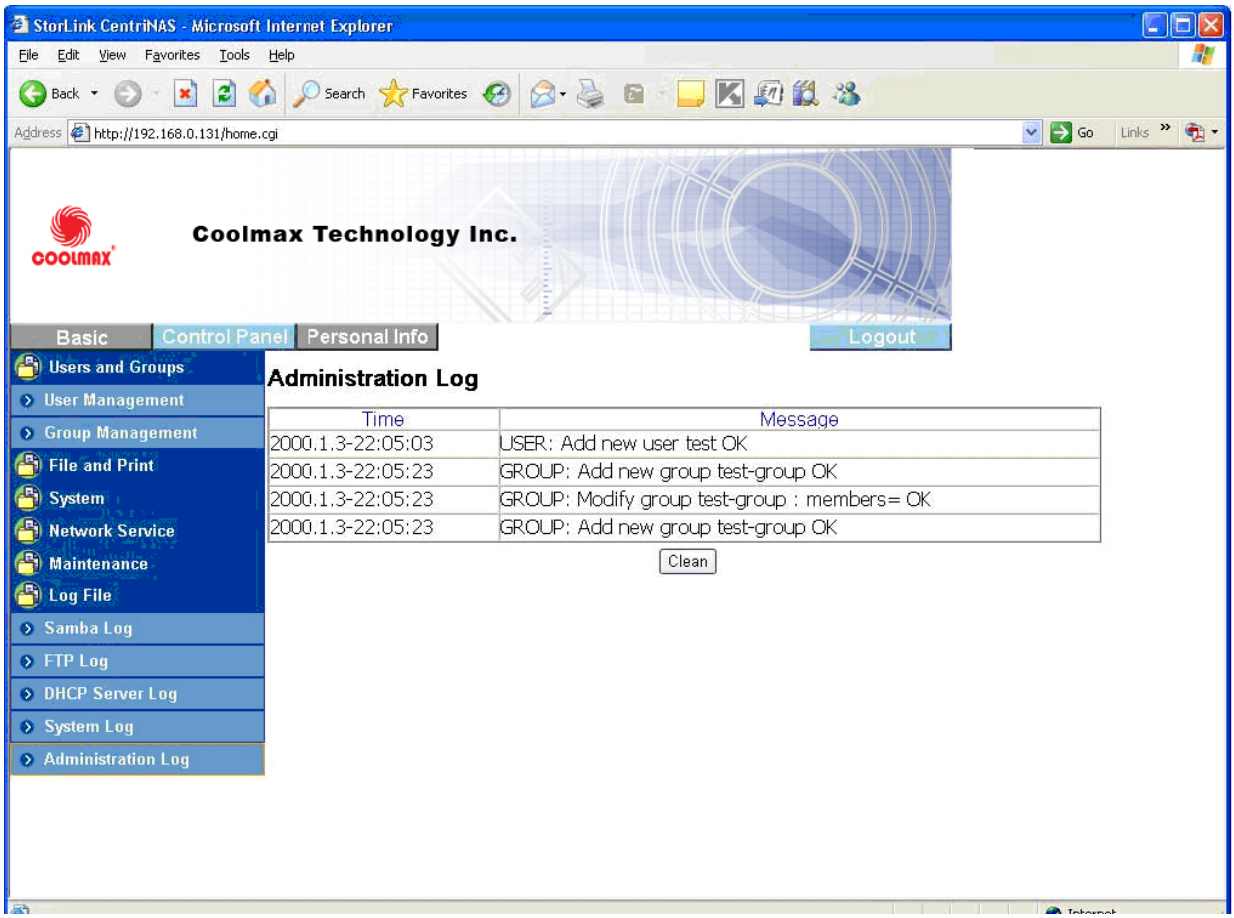
DHCP Server Log



System Log: Specify the destination Linux PC that you want to redirect system log file.

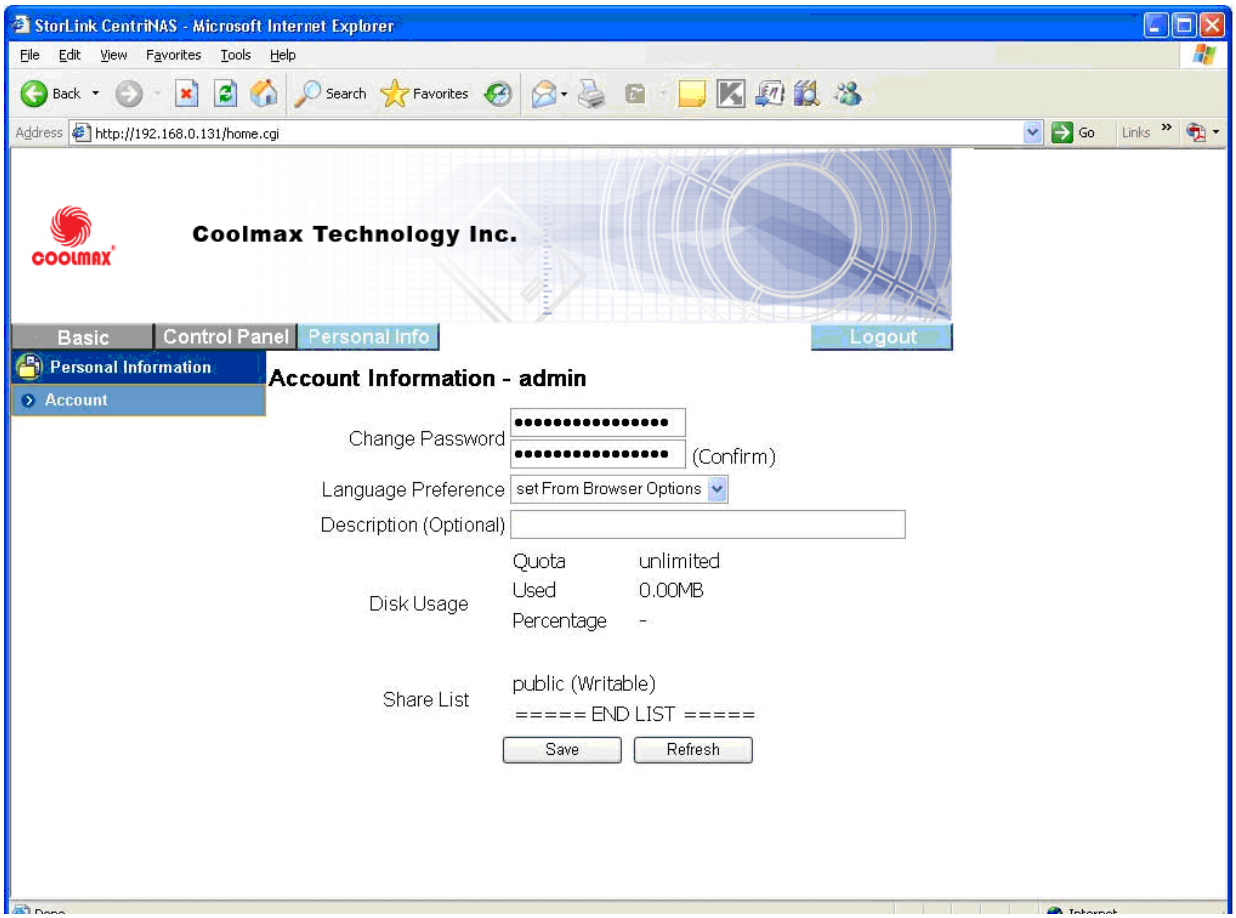


Administration Log



Account

Account is the only section in the “Personal Information” tab. You could change the password and user ID, ‘admin’, and the language shown in the menu. Share list, system disk quota and the percentage of disk used is shown as well.


StorLink CentriNAS - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://192.168.0.131/home.cgi
Go Links
Coolmax Technology Inc.
Basic
Control Panel
Personal Info
Logout
Personal Information
Account
Account Information - admin
Change Password
(Confirm)
Language Preference
set From Browser Options
Description (Optional)
Disk Usage
Quota unlimited
Used 0.00MB
Percentage -
Share List
public (Writable)
===== END LIST =====
Save
Refresh

Logout

Microsoft Internet Explorer
Are you sure to logout?
OK
Cancel