# **GENERAL SETTINGS**

# **GENERAL TAB**

General	File sharing	Application services	
Achine name	LaCie-5big-Pro	Date Date	2013-04-23
anguage	English 🔊	Time	11:23
Temperature un	it Celsius (°C) 🖋	Time zone	(GMT+01:00) Brussels, Co Ø
		Time synchronizatio	n 🔽 pool.ntp.org 🛛 💿
Vorkgroup/Don <ul> <li>Workgroup</li> </ul>	nain up Workgroup 🖋		

- **Machine Name**: The machine name identifies your LaCie NAS on your network. You can change it from the default by choosing the pencil icon and typing a new one. If a duplicate name exists on the network, alternate names are automatically created to avoid conflicts. For example, a second LaCie 5big NAS Pro on your network will automatically be called *LaCie-5big-P-1*. The machine name is limited to 15 characters and case-sensitive. You must also use alphanumeric characters without spaces or symbols.
- **Date**: The date and time are set automatically if you assign an NTP server (see below). If not, select the pencil icon and choose a day from the calendar.
- Language: Choose the pencil icon to change the Dashboard language.
- Time: If the time is not set by the NTP server, select the pencil icon and choose the proper time.
- Temperature unit: Select the pencil icon to choose Celsius or Fahrenheit.
- **Time zone**: Select the pencil icon for the listed time zone, then choose your timezone from the drop-down window.
- **Time synchronization**: Sync the time and date with an NTP (network time protocol) server. NTP will automatically adjust the time settings for daylight savings.

### Domain

You LaCie NAS can join a Windows Workgroup or a Windows Active Directory:

- **Workgroup**: Select the radio button for **Workgroup** and choose the pencil icon to type its name (use from 1 to 15 alphanumeric characters).
- **Domain**: Select the radio button for **Domain** if you intend to join a Windows Active Directory (see the next paragraph for instructions on entering your Active Directory credentials). When joining an Active Directory, existing users/passwords in the domain are respected by the LaCie NAS and treated exactly as if they were created in the Dashboard. Once you have joined the Active Directory, domain users may be assigned access to the LaCie NAS's shares.

**Active Domain Troubleshooting:** The information below provides general information on joining and leaving a domain. For additional information, see <u>Troubleshooting the Active Directory Connection</u>.

#### Connect to an Active Directory

- 1. Select the **Domain** radio button.
- At the prompt, fill in the Fully-qualified domain name, Administrator login, and Administrator password. For more complex network configurations, choose the Advanced Criteria arrow and fill in the Server name and Server IP fields.

Machine name	LaCie-5big-Pro
Fully-qualified domain	name
Administrator login	
Administrator password	t l
<ul> <li>Advanced criteria (or</li> </ul>	optional)
Server name	
Server IP	

3. Once connected, you can import users from the domain at Users.

#### Synchronize Users/Groups

Except for access rights to shares on the LaCie NAS, users and groups imported from a domain are managed by the domain's administrator. If a user's/group's account has been changed by the domain administrator within the Windows Active Directory server (e.g. password revision, deleted from the domain, etc.), you can update the account on the LaCie NAS by choosing on the button **Synchronize imported users/groups**.



#### Leave the domain

To remove the LaCie NAS's connection to a domain:

1. Choose the **Leave** button.

Genera	al Set	tings					
General		File Sharing	Applica	ation Services			
Machine Na	me La	Cie-5big-Pro 💧	La	nguage		English 🖋	
Date	20	12-10-11	Tir	nezone		(GMT+01:00) B	russels, C 🖋
Time	13	:41	Tir	me Synchroni	zation	gool.ntp.org	
Domain					Synchr	onize imported Use	ers/Groups
Domain					Synchr	onize imported Use	ers/Groups
Domain Work	group	Workgroup			Synchr	onize imported Use	ers/Groups
Domain O Work © Doma	group	Workgroup Joined to		Valid.com	Synchr	onize imported Use	ers/Groups
Domain O Work O Doma	group ain	Workgroup Joined to		Valid.com	Synchr	onize imported Use	ers/Groups
Domain Work Doma	group ain	Workgroup Joined to		Valid.com	Synchr	onize imported Use	ers/Groups
Domain Work Doma	group ain	Workgroup Joined to		Valid.com	Synchr	onize imported Use	ers/Groups

- 2. Authenticate by inputting the domain administrator's username and password.
- 3. Users and groups that were imported may still be listed in <u>Users</u> and <u>Groups</u>. To remove all imported users and groups from the LaCie NAS, choose the button **Remove the imported users/groups** (this button replaces **Synchronize imported users/groups** once you leave a domain).



# SERVICES

### File sharing tab

General	File sharing	Application services			
Configure the se	ttings for file sharin	g services on your device. Show summary			
Name	Description		Status		
SMB	Server Message are also compati	. They 🥥			
AFP	Apple Filing Prot	۲	ø		
NFS A	Network File Sys	0	di		
FTP	File Transfer Pro	ly. O	ø		
SFTP	Secure File Transfer Protocol. Upload and download files locally or remotely using a secure connection.				
ISCSI	Block-level proto	col for a single user, a SAN, or a cluster environme	nt. 😐		

The *File sharing* tab offers a list of file protocols available to the LaCie NAS. Based upon the needs of computers and workstations on the network, the administrator can choose to maintain certain services while leaving others turned off. Examples:

- The administrator may wish to turn AFP (Apple Filing Protocol) off if there are no Macintosh computers on the network.
- The administrator can enable the FTP service in order to provide access to the LaCie NAS via a third-party FTP application. See <u>Accessing Shares via FTP</u> for details.

#### iSCSI: iSNS servers and LAN

The iSCSI service should be used to direct iSCSI target volumes to an iSNS (Internet Storage Name Service) server on the network. Doing so will allow workstations (initiators) to discover the LaCie NAS's iSCSI volume(s) via the iSNS server rather than using a direct connection. Using an iSNS server is ideal when managing multiple iSCSI volumes (targets) and compatible workstations (initiators). To enter the iSNS server IP address:

- 1. Go to **Dashboard > General Settings > File sharing**.
- 2. Select the configuration icon for **iSCSI** and then **Advanced parameters**.
- 3. Choose the checkbox and enter the IP address of the iSNS server.

Contonal	ootango			
General	File sharing Application services			_
Configure the se	ettings for file sharing services on your device. Show summary			
Name	Description	Status		
SMB	Server Message Block. File and print sharing are native to Windows. They are also compatible with Linux and Mac OS X.	٠	ø	
AFP	Apple Filing Protocol. File and print sharing native to Mac OS X.	٠	ø	
NFS A	Network File System. File sharing native to UNIX and Linux.	0	Ø1	
FTP	File Transfer Protocol. Upload and download files locally and remotely.	٠	ø	
SFTP	Secure File Transfer Protocol. Upload and download files locally or remotely using a secure connection.	٥	Ø	
ISCSI	Block-level protocol for a single user, a SAN, or a cluster environment.	٠	6	ISCSI - Advanced parameters
				ISNS server 192.168.8.121

For instructions on creating iSCSI volumes on your LaCie NAS, see iSCSI Target.

You can also limit the iSCSI service to a single LAN:

- 1. Go to **Dashboard > General Settings > File sharing**.
- 2. Select the configuration icon for **iSCSI** and then **Advanced parameters**.
- 3. Select the pull-down menu choose LAN 1 or LAN 2.

**Important info regarding iSCSI volume sharing:** Mounting an iSCSI volume on multiple workstations at the same time will lead to serious file corruption. An exception can be found with SAN cluster environments that include servers and software dedicated to managing iSCSI volume sharing.

### Application services tab

General	File sharing App	lication services		
Configure the settin	gs for application service	ces on your device.		
Name	Description		Status	
Wuala Hybrid Cloud	Hybrid Cloud storage gives you access to your files anywhere in the world. Learn more.			
Time Machine	Backup program integrated into Mac OS X only.			ø
UPnP/DLNA	Stream multimedia files from your 2big NAS to UPnP and DLNA compatible devices on the network.			ø
iTunes™	Stream multimedia files from your 2big NAS to compatible devices on the network using iTunes.			ø
Printer server	Share a USB printer on the local network.			ø
NetBackup	LaCie NAS and rsync-compatible devices can use your 2big NAS to back up their data.			ø
Download machine	Download files (BitTorren	Download files (BitTorrent, HTTP, FTP).		

The *Application services* tab provides a list of services that may be used with the Dashboard or third-party programs.

- Time Machine: See <u>Backup: LaCie NAS and PC/Mac</u> for details.
- UPnP/DLNA: See Media (UPnP/DLNA) Servers for details.
- iTunes: See Media (UPnP/DLNA) Servers for details.
- Network Backup: See <u>Remote Backups: Enable Network Backup Server</u> for details. Activating Network Backup server will disable SFTP in the File sharing tab.
- Download machine: See <u>Download Machine</u> for details.

#### Printer server

Your LaCie NAS features a printer server. Follow the directions below to share a printer on the network via the LaCie NAS:

- 1. Connect your printer to a USB port on your LaCie NAS.
- 2. In **Dashboard > General Settings > Application services**, check the status of the **Printer server**. A green light indicates that the LaCie NAS has discovered the printer.

Condica	File sharing Application services		
Configure the settin	gs for application services on your device.		
Name	Description	Status	
Wuala Hybrid Cloud		0	
Fime Machine Backup program integrated into Mac OS X only.			
UPnP/DLNA	Stream multimedia files from your 2big NAS to UPnP and DLNA compatible devices on the network.		
Tunes™	Stream multimedia files from your 2big NAS to compatible devices on the network using iTunes.	٠	ø
Printer server	Share a USB printer on the local network.		ø
NetBackup	letBackup LaCie NAS and rsync-compatible devices can use your 2big NAS to back up their data.		
Download machine	Download files (BitTorrent, HTTP, FTP).	٠	Ø

Computer(s) on your network may require specific drivers to use the printer. See the user manual for your printer for details.

**Important info:** For multi-function printers, only the print feature is supported. If your printer has a scan feature, for example, it will not work when connected to the LaCie NAS.

In addition, only PostScript printers are supported. If your printer does not display in the Application services tab, it is likely that the printer does not support PostScript printing. This is frequently the case with multi-function and photo printers. LaCie cannot guarantee that your printer supports the proper protocols to make it a networked printer.

# SERVICE ACTIVATION

There are three levels of service activation: enable/disable, global service activation, and share protocols. The *File Sharing* and *Application Services* tabs allow you to manage the settings for enable/disable and global service activation. The share protocols are managed per share on the <u>Shares</u> page.

In all cases, enabling/disabling a service will override global service activation and share protocols. If a service is enabled, a green light will be listed in the **Status** column. Not all services are enabled by default.

To **Disable** a service, select the configuration icon for the service.

General	File sharing Application services		
Configure the se	ttings for file sharing services on your device. Show summary		
Name	Description	Status	
SMB	Server Message Block. File and print sharing are native to Windows. They are also compatible with Linux and Mac OS X.		SMD
AFP	Apple Filing Protocol. File and print sharing native to Mac OS X.	٠	Disable
NFS 🔒	Network File System. File sharing native to UNIX and Linux.	0	and the second s
FTP	File Transfer Protocol. Upload and download files locally and remotely.	0	
SFTP	Secure File Transfer Protocol. Upload and download files locally or remotely using a secure connection.	0	ø
ISCSI	Block-level protocol for a single user, a SAN, or a cluster environment.	٠	ø

Perform the same action to **Enable** a service.

A B B		
a snaring Application services		
or file sharing services on your device. Show summary		
scription	Status	
ver Message Block. File and print sharing are native to Windows. They also compatible with Linux and Mac OS X.	0	Ø SMB
le Filing Protocol. File and print sharing native to Mac OS X.	٠	Advanced parameters
work File System. File sharing native to UNIX and Linux.	0	<i>a</i>
Transfer Protocol. Upload and download files locally and remotely.	0	ø
cure File Transfer Protocol. Upload and download files locally or remotely ing a secure connection.	0	ø
ck-level protocol for a single user, a SAN, or a cluster environment.	٠	Ø
	or file sharing services on your device. Show summary scription ver Message Block. File and print sharing are native to Windows. They also compatible with Linux and Mac OS X. le Filing Protocol. File and print sharing native to Mac OS X. work File System. File sharing native to UNIX and Linux. Transfer Protocol. Upload and download files locally and remotely. cure File Transfer Protocol. Upload and download files locally or remotely g a secure connection. ck-level protocol for a single user, a SAN, or a cluster environment.	Status         scription       Status         ver Message Block. File and print sharing are native to Windows. They also compatible with Linux and Mac OS X.       Image: Compatible with Linux and Mac OS X.         ale Filing Protocol. File and print sharing native to Mac OS X.       Image: Compatible with Linux and Mac OS X.       Image: Compatible with Linux and Mac OS X.         ale Filing Protocol. File and print sharing native to UNIX and Linux.       Image: Compatible with Linux and download files locally and remotely.       Image: Compatible With Compatible with Compatible with Compatible with Linux and Mac OS X.         Transfer Protocol. Upload and download files locally and remotely.       Image: Compatible With Com

To view the **Global service value**, select the configuration icon for **Advanced parameters**. The pulldown menu allows you to deactivate/activate the global service value.

General S	Settings				(	0		
General	File sharing	Application services						
Configure the set	ttings for file sharing	g services on your device	e. Show summary					
Name	Description			Status				
SMB	Server Message are also compatit	Block. File and print sharing a ole with Linux and Mac OS X.	are native to Windows. They	٠	8	SMB - Advanced parameters	s	_
AFP	Apple Filing Proto	ocol. File and print sharing na	tive to Mac OS X.	٠	ð	Global service activation:	Activated	
NFS A	Network File Syst	tem. File sharing native to UN	IIX and Linux.	0	ð	Available on:	All LANs	
FTP	File Transfer Prot	locol. Upload and download f	iles locally and remotely.		0			00
SFTP	Secure File Trans using a secure co	fer Protocol. Upload and dov nnection.	vnload files locally or remotely	0	Ø			
ISCSI	Block-level protoc	col for a single user, a SAN, o	er a cluster environment.	٠	Ø			

General	File sharing	Application services				
onfigure the set	tings for file sharing	g services on your device. St	how summary			
lame	Description			Status		
SMB	Server Message are also compatit	Block. File and print sharing are n ble with Linux and Mac OS X.	ative to Windows. They	•	Ø s	MB - Advanced parameters
AFP	Apple Filing Proto	ocol. File and print sharing native t	to Mac OS X.	٠	Ø G	Slobal service activation: Activated
NFS A	Network File Syst	tem. File sharing native to UNIX a	nd Linux.	۲	A A	wailable on:
TP	File Transfer Prot	tocol. Upload and download files l	ocally and remotely.		ð	80
SFTP	Secure File Trans using a secure co	efer Protocol. Upload and downloa prinection.	ad files locally or remotely	٥	(A)	
SCSI	Block-level protoc	col for a single user, a SAN, or a c	cluster environment.		ø	
ISCSI	Block-level protoc	col for a single user, a SAN, or a c	luster environment.	•	Ø	

The global service level is, by default, set to **Activated**. This means that the service is ready for use by all shares as long as it is enabled. An administrator can also choose to deactivate a service at the global service activation level while enabling it. Doing so allows the administrator to limit the service to individual shares by adjusting the protocol value in <u>Shares</u>. For example, the administrator may wish to limit the Time Machine service to a single share that is only available to Macintosh computers on the network.

See the table below for examples of service settings:

Enable/Disable	<b>Global Service Value</b>	Share Protocols	Use
Enable	Activated	Set to Global.	The service is ready for use.
Disable	Activated	Set to Global.	The service is not available.
Enable	Deactivated	Set to Activated.	The service is available to the specific share.
Enable	Activated	Set to Deactivated.	The service is not available to the specific share.

See <u>Shares</u> for instructions on adjusting the settings for share protocols.

### Ethernet ports (LAN) and services (5big NAS Pro only)

The administrator can limit certain services to a LAN port by selecting the configuration icon and then **Advanced parameters**. Use the pulldown menu to select the preferred LAN port for the service.

General	File sharing	Application services			
Configure the se	ttings for file sharing	services on your device. Show summary			
Name	Description		Status		
SMB	Server Message I are also compatib	Block. File and print sharing are native to Windows. They le with Linux and Mac OS X.	٠	SMB - Advanced parameters	
AFP	Apple Filing Proto	col. File and print sharing native to Mac OS X.	٠	Global service activation:	
NFS A	Network File Syst	em. File sharing native to UNIX and Linux.	٥	Available on: LAN 1 LAN 2	
FTP	File Transfer Prot	ocol. Upload and download files locally and remotely.		4 00	
SFTP	Secure File Transfer Protocol. Upload and download files locally or remotely using a secure connection.		0	0	
ISCSI	Block-level protoc	ol for a single user, a SAN, or a cluster environment.			

### Services summary

Review the status for all services by choosing **Show summary** in the File sharing or Application services tabs.

General	File sharing	Application services		
Configure the se	ttings for file sharin	g services on your device. Show summary		
Name	Description		Status	
SMB	Server Message Block. File and print sharing are native to Windows. They are also compatible with Linux and Mac OS X.			di
AFP	Apple Filing Protocol. File and print sharing native to Mac OS X.			Ø
NFS 🛦	Network File System. File sharing native to UNIX and Linux.			Ø
FTP	File Transfer Protocol. Upload and download files locally and remotely.			Ø
SFTP	Secure File Transfer Protocol. Upload and download files locally or remotely using a secure connection.			Ø
ISCSI	Block-level proto	col for a single user, a SAN, or a cluster environment.		Ø

Name	LAN 1	LAN 2
File sh	naring	
SMB	۲	۲
AFP	۲	۲
NFS	0	0
FTP	۲	۲
SFTP	0	0
iSCSI	۲	۲
Application	n services	
Wuala Hybrid Cloud	۲	۲
Time Machine	0	0
UPnP/DLNA	0	0
iTunes™	0	۲
Bonjour	٠	۲
Printer server	٠	۲
NetBackup	۲	۲
Download machine	۲	۲