BACKUP

The *Computers and Backup* tab includes helpful wizards to configure backups for Windows workstations on the network and your LaCie professional server:

- Workstations back up to the server.
- The server backs up to direct attached storage (DAS). You may connect one or more DAS to the USB 2.0 ports on the back of the server.

Technical note: Disconnect any external USB storage when rebooting the LaCie professional server. The server may hang at boot if a USB device is attached to one of its USB 2.0 ports.

To access the backup wizards:

- 1. Launch the Dashboard (see <u>Access the Server</u>).
- 2. Click on the tab *Computers and Backup*.



WORKSTATION BACKUP

Setting up scheduled backups

Automate backups for the Windows workstations on your network. By default, backups will run twice a day at 12:00 AM and 6:00 AM. In most business environments, these times are optimal due to reduced network traffic. To guarantee that backups are not missed, LaCie recommends that you allow the server to wake up workstations that are in *sleep* or *hibernate* modes. To configure the backup:

1. Find the Windows workstation in the list of computers. Note that the *Backup status* is **Not set up**. Right click on the computer to select **Set up Backup for this computer**.



| Name | Status | Description | Backup status | Alerts | | LaCie-W7 Tasks |
|--|--|-----------------|---------------|------------------|----------------------|--|
| Computers | Online | Paulous & Chara | Not only on | | ^ | View the computer properties |
| Server | Online | Backup & Share | Not set up | View the comp | puter properties | store files or folders for the computer |
| 4bigOffice | Online | My home server | Successful | Restore files or | folders for the comp | outer |
| | | | | Remove the co | nor this computer | up backup for this computer |
| | | | | | | inove the computer |
| | | | | | | Computers and Backup Tasks |
| | | | | | | Additional client computer backup tasks |
| | | | | | | 8 Change the server password |
| | | | | | | How do I connect computers to the server? |
| LaCie.W7 | | | | | | |
| General information a | bout this compute | , | | | | |
| Operating System: Win Service Pack: Service Pa System type: 32-bit Ope | dows 7 Professional ick 1 erating System | | | | | |
| 2 Items | | | | | | |

2. Select files for backup. It is recommended that you select "Back up all of my files and folders" on the workstation. However, you have the option to select the files and folders to back up.



3. Click **Save changes** to confirm the backup settings.

| 🚱 🐌 Set up Backup for LaCie-W7 | |
|-------------------------------------|---------------------|
| | |
| Confirm items to back up | |
| Items to back up | |
| System Reserved Local Disk (C:\) | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | Save changes Cancel |

4. Read the backup summary then click **Close** to exit the wizard.



5. The *Backup status* for the workstation is now **Set up**.

| Name | Status | Description | Backup status | Alerts | | Computers and Backup Tasks |
|----------------------|--------|----------------|---------------|-----------|-----|--|
| Computers | | | | | · · | The Additional diant computer backup tasks |
| 🏨 LaCie-W7 | Online | Backup & Share | Set up | No alerts | | - Additional client computer backup tasks |
| Server | | | | | ^ | Change the server password |
| 4bigOffice | Online | My home server | Successful | No alerts | | How do I connect computers to the server? |
| No item is selected. | | anat | | | | |
| 2 Items | | | | | | |

Initiating a manual backup

You can initiate a manual backup should you wish to save data before the next scheduled backup:

1. Right click on the workstation to select **Start a backup for the computer**.

| Name | Status | Description | Backup state | 15 | Alerts | | LaC | ie-W7 Tasks |
|--|-------------------------------|----------------|--------------|----|--|-------------------------|-----|--|
| Computers | | | | | | ^ | | View the computer properties |
| J LaCie-W7 | Online | Backup & Share | Set up | < | View the compute | r properties | | |
| Server | | | | | Start a backup for th | he computer | | Start a backup for the computer |
| AbigOffice | Unline | My nome server | Successful | 10 | Restore files or folde | ers for the compute | er | Restore files or folders for the computer |
| | | | | * | Customize Backup f Remove the compu | for the computer ter | | Customize Backup for the computer |
| | | | | | | | - | Remove the computer |
| | | | | | | | Co | mputers and Backup Tasks |
| | | | | | | | 7. | Additional client computer backup tasks |
| | | | | | | | 8 | Change the server password |
| | | ****** | | | | | 0 | How do I connect computers to the server? |
| 🚔 LaCie-W7 | | | | | | | | |
| General information | about this comput | ter | | | | | | |
| Operating System: W Service Pack: Service | indows 7 Profession Pack 1 | al | | | | | | |
| System type: 32-bit C | perating System | | | | | | | |
| | | | | | | | | |
| 2 Items | | | | | | | | |

2. Name the backup. The default is **Manual backup** but you can use a name that suits your needs. Click **OK**.



3. The backup will begin immediately.



4. Once the backup is complete, the *Backup status* will read **Successful**.

| Windows Home Server 2011 Dashboard | | | | | |
|---|--------|---------------------------------|---------------------------------|-----------|--|
| Home | Users | Computers Ser and Backup and | ver Folders Hard Drives Add- | ns LuCe | Windows Home Server 2011 |
| | | | | | 🚱 No alerts 🛛 🇠 Server settings 🔞 Help 👻 |
| Name Computers | Status | Description | Backup status | Alerts | LaGe-W7 Tasks |
| Jerver | Online | Backup & Share | Successful | No alerts | Start a backup for the computer |
| 4bigOffice | Online | My home server | Successful | No alerts | Restore files or folders for the computer Customize Backup for the computer Remove the computer Computers and Backup Tasks Additional dirent computer backup tasks Change the server paisword P thou do a connect to the |
| 👰 LaCie-W7 | | | | | server |
| General Information about this computer Operating System: Windows 7 Professional System Vessional System System System System State | | | | | |
| 2 Items | | | | | |

SERVER BACKUP

LaCie RAID Configurations and Windows® Backup

LaCie recommends backing up all data in your office, including files stored on traditional backup servers such as LaCie professional servers. To facilitate local backups, all LaCie professional servers include a simple wizard that will help you to configure automated backups. Many IT administrators and office managers have considered their unique environment for backing up data so this Technical Brief will not delve into the logistical requirements for maintaining data at one or more sites.

However, it is important to note the limitations for backing up data beyond a fixed storage capacity. Please keep in mind that the wizard will not allow you to back up data from a volume that is **greater than 2TB**. Since the majority of businesses and IT professionals take advantage of commercial and private backup solutions, the recommended LaCie RAID configurations include volumes greater than 2TB (see <u>Technical Brief: 4big Rack</u> <u>Office RAID</u>). If you intend to use the convenient backup wizards found in this Technical Brief and your server includes partitions greater than 2TB, see the <u>Technical Brief: 4big Rack Office RAID</u> to learn how to partition volumes. **Please note that partitioning volumes will delete data.** Make certain to copy all files before partitioning and recreating RAID arrays.

For further information on the 2TB volume limitation with the Windows Backup Wizard, please see the link below: <u>2TB Limit</u>

Setting up scheduled server backups

Note: Before launching the server backup wizard, please make certain to connect a USB hard drive to one of the server's USB 2.0 ports. Always disconnect external hard drives from their USB 2.0 ports before restarting or booting the LaCie 4big Rack Office. The server may hang at boot if a USB 2.0 hard drive is connected to one of its ports.

1. Find the server in the list of computers. Note that the *Backup status* is **Not set up**. Right click on the server to select **Set up Backup for this server**.

| 🕼 Windows Home Server 2011 Dashboard 💦 👘 📼 | | | | | | |
|---|--|-----------------------------------|--------------------------------|-----------|---|--|
| Home | Users | Computers Sen and Backup and I | ver Folders Hard Drives Add | ins LaCe | | Windows Home Server 2011 Windows Home Server 2011 Windows Home Server 2011 Windows Home Server 2011 Windows Home Server 2011 |
| Name | Status | Description | Backup status | Alerts | | 4bigOffice Tasks |
| Computers | Online | Backup & Share | Set up | No alerts | Â | View the server properties Restore files or folders for the server |
| 8 4bigOffice | Online | My home server | Not set up | No alerts | | Set up Backup for the server |
| | | | | | | Computers and Backup Tasks Computers and Backup Tasks Change the server password Find to connect computers to the server? |
| 4bigOffice | | | | | | |
| General information ab | out this comput | ter | | | | |
| Operating System: Wind Service Pack: Service Pac System type: 64-bit Oper | lows Home Serve :k 1 rating System | v 2011 | | | | |
| 2 Items | | | | | | |

| Windows Home Ser | ver 2011 Dashboard | | | | - | 111 | |
|--|--|----------------|-----------------|-----------|----------------|--|--|
| | - 52 | | | | UCD . | | ~ |
| Home | Users | Computers Ser | ver Folders Add | ins | LACIE | | Windows Home Server: |
| | | and sackup and | Hard Drives | | | 🔮 No alerts | Server settings 🔞 Help |
| lame | Status | Description | Backup status | Alerts | | 4bigOffice Task | 5 |
| Computers | Online | Backup & Share | Set up | No alerts | | View the ser | ver properties |
| 4bigOffice | Online | My home server | Not set up | No alerts | View the | Server properties | for the server |
| | | | | | 1 Restore file | es or folders for the server | |
| | | | | | | Additional c Additional c Additional c Better the terminal constraints How do I conserver? | lient computer backup tasks server password nnect computers to the |
| 4 4bigOffice | | | | | | | |
| General information | about this comput | ter | | | | | |
| Operating System: Wi Service Pack: Service I System type: 64-bit O | indows Home Serve Pack 1 perating System | w 2011 | | | | | |
| Items | | | | | | | |

2. The *Getting started* page offers a brief explanation on setting the server backup.

| | - 0 🔀 | | | | |
|---|--------|--|--|--|--|
| 🧼 🐌 Set Up Server Backup | | | | | |
| | | | | | |
| Getting started | | | | | |
| This wizard helps you set up and schedule routine backups of your server and data. | | | | | |
| Before you begin, you must attach at least one backup hard disk to the server. You may configure more than one backup hard disk to be used by Server Backup, but connect only one backup hard disk to the server at a time. | | | | | |
| The wizard asks you to specify: | | | | | |
| The backup destination disk | | | | | |
| The items to back up | | | | | |
| The backup schedule | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Learn more about setting up Server Backup | | | | | |
| Next | Cancel | | | | |

- 3. Click **Next** to continue.
- Select the hard drive you wish to use for the server backup. In this example, we are using a LaCie 4big Quadra (desktop storage). It is connected to one of the server's USB 2.0 ports. Check the box next to No disk label then click Next.

| Select the backu | o destination | |
|---------------------|--------------------------------------|--------------|
| Drive | Name | Size |
| No disk label | LaCie 4big Quadra USB Device Disk #4 | 3726 GB |
| | | |
| Show all disks that | can be used as backup disks | Refrech list |

|) 🐞 Set Up Server Back | up | |
|------------------------|--------------------------------------|--------------|
| Select the backup | destination | |
| Drive | Name | Size |
| No disk label | LaCie 4big Ouadra USB Device Disk #4 | 3726 GB |
| | | |
| Show all disks that d | can be used as backup disks | Refresh list |
| Learn more about setti | ng up Server Backup | |
| | | Next Canc |

5. You may receive the note below when using drive enclosures that house more than one hard drive. Click **Yes** to continue or **No** to abort the wizard.

| Set Up Sen | ver Backup | 23 |
|------------|---|----|
| <u>^</u> | You selected a drive on a hard disk that is divided into one or more drives. When you finish this wizard, the server will reformat the following hard disks. LaCie 4big Quadra USB Device Disk #4 Drives: \\?\Volume{a4fb4031-1613-4e3e-a183-63a10fcadca0}\ | |
| | If you continue, all existing data will be deleted. Do you want to continue? | |
| | Yes No | |

6. Name the backup then click **Next**.



7. Set the times of day you wish the server to backup its data. It is recommended that you select times of day that encounter the least amount of network traffic.





| 🕝 🐌 Set Up Server Backup | - 0 🗙 |
|---|--|
| Specify the backup schedule Select the backup frequency and the run a backup multiple times each da | time of day that you want Backup to run. You can schedule to y. |
| Twice a day (recommended) | Oustom |
| First backup: | Custom schedule: |
| 12:00 PM | 12:00 AM |
| Constant for days | 12:30 AM |
| Second backup: | 1:00 AM |
| 11:30 PM - | 1:30 AM |
| | 2:00 AM |
| | 2:30 AM |
| | 3:00 AM |
| | 3:30 AM |
| | 🗖 4:00 AM 👻 |
| | |
| | |
| | |
| | |
| | Next Cancel |

8. If a partition in the server storage is greater than 2TB, the backup wizard will prompt the administrator to

divide the hard drive. Repartitioning the storage hard drives is too complex an operation for the backup wizard. If you wish to use the backup wizard to backup for all your data, please read the <u>Technical Brief</u>: <u>4big Rack Office RAID</u> for instructions on repartitioning. If you wish to continue with this backup, click **OK** at the prompt.

| Set Up Ser | ver Backup | × |
|------------|--|---|
| <u>^</u> | The selected drive is greater than 2 TB and cannot be included in Server Backup. Consider dividing the hard disk on which the drive is located into drives that are smaller than 2 TB. | |
| | ОК | |

9. By default, the partition *Data1* is greater than 2TB. To continue the backup wizard with the remaining partitions, we have deselected *Data1*. Click **Next** to continue.

| 🚱 🐌 Set Up Server Backup | |
|---|-------------|
| Select which items to back up Select the check box for each drive or folder that you want to back up. | |
| | Next Cancel |
| | |
| | |
| 🚱 🐌 Set Up Server Backup | |
| Select which items to back up Select the check box for each drive or folder that you want to back up. | |
| Image: Second and Second | |
| | Next Cancel |
| | |

10. Confirm the backup summary then click **Apply settings**.



11. Click **Close** to exit the wizard.



Close

Initiating a manual server backup

You can initiate a manual server backup should you wish to save data before the next scheduled backup:

1. Right click on the server to select **Start a backup for the server**.



2. Click **Yes** at the prompt to start the server backup.



3. The server backup will begin immediately.



4. Once the server backup is complete, the *Backup status* will read **Successful**.

| Windows Home Server | r 2011 Dashboard | | | | |
|--|---|---------------------------------|-----------------------------------|---------------|--|
| Home | Users | Computers Sen and Backup and | ver Folders Hard Drives Add-Ir | uce s LaCe | Windows Home Server 2011 Con Aleg Risk Office No Alers Con Server settings @ Help • |
| Name | Status | Description | Backup status | Alerts | 4bigOffice Tasks |
| Computers Re LaCie-W7 Server 24bigOffice | Online | Backup & Share | Set up Successful | No alerts | View the server properties Karl a backup for the server Restore files or folders for the server Computers and Backup Tasls Computers and Backup Tasls Computer backup tasls Council the server password how do i consect computers backup |
| 4bigOffice | | | | | |
| Operating System: Wind Service Pack: Service Pac System type: 64-bit Ope | our this comput lows Home Serve ck 1 rating System | er 2011 | | | |
| 2 items | | | | | |

Server-to-Server Backups

Your LaCie 4big Rack Office can also be backed up to a compatible rsync Windows server. For a more advanced discussion, please go to: <u>rsync.net</u>.

Please note that installing rsync server software on a Windows workstation will allow you to back up the 4big Rack Office via your network. For more information: <u>http://blog.brachium-system.net/archives/12-Rsync-Server-under-Windows.html</u>