• How to share folders on Windows 7, 8, 8.1 and Windows 10.

1. Goto Control Panel / Network and Sharing / Advanced sharing options

Private (current profile)	
Network discovery	
When network discovery is on, this computer can see other network computers and devices and is visible to other network computers.	
Turn on network discovery	
Turn on automatic setup of network connected devices.	
 Turn off network discovery 	
File and printer sharing	
When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.	
Turn on file and printer sharing	
 Turn off file and printer sharing 	

2. Turn **on** file and printer sharing in (current profile)

Password protected sharing When password protected sharing is on, only people who have a user account and password on this computer can access shared files, printers attached to this computer, and the Public folders. To give other people access, you must turn off password protected sharing. O Turn on password protected sharing O Turn off password protected sharing

- 3. Turn **off** [Password protected sharing] in [All Networks]
- 4. Choose a folder to be shared

lestShare	2/14/2013 11-40	Δ1./	ц File	e folder	
Users	Open		File folder		
Windows	Open in new window		File	e folder	
	Pin to Start				
	Add to Windows Media Player list				
	Play with Windows Media Player				
	Share with	۲	A	Stop sharing	
	Include in library	۲	•	Create or join a homegroup	
	Send to	۲	33	Specific people	
	Cut				
	Сору				
	Create shortcut				
	Delete				
	Rename				
	Properties				

5. To share with password enabled, add corresponding login name to the dialog, and press [Share]

€	3 File Sharing		button.
	Choose people to share with		
	Type a name and then click Add, or click the arrow to find someone		
	1	✓ Add	
	Name	Permission Level	
	🐍 test	Owner	
	I'm having trouble charing		
		Share Cancel	

6. To share without password, add "Guests" to the dialog, and press [Share] button

G	🥂 File Sharing			
	Choose people to share with			
	Type a name and then click Add, or click the arrow to find someone			
	1	~	Add	
	Name	Permission	Level	
	A Guests	Read 💌		
	2 test	Owner		
	I'm having trouble sharing			
		e	Share	Cancel

- 7. Your XtreamerTV should now be able to see the new Shared Folder.
 - 1) If you chose to use password, login/password dialog will appear.
 - 2) If you added "Guests", login/password dialog will not appear.
 - Windows 8

1. The procedure on Windows 8 is almost identical to Windows 7, except that "Password protected sharing" option is located in the same setting group with "File and printer sharing"

I	File and printer sharing
	When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.
	 Turn on file and printer sharing Turn off file and printer sharing
I	Public folder sharing
	When Public folder sharing is on, people on the network, including homegroup members, can access files in the Public folders. <u>What are the Public folders?</u>
	 Turn on sharing so anyone with network access can read and write files in the Public folders Turn off Public folder sharing (people logged on to this computer can still access these folders)
I	Media streaming
	When media streaming is on, people and devices on the network can access pictures, music, and videos on this computer. This computer can also find media on the network.
	Media streaming is off
	Choose media streaming options
I	File sharing connections
	Windows 7 uses 128-bit encryption to help protect file sharing connections. Some devices don't support 128-bit encryption and must use 40- or 56-bit encryption.
	Output Description to help protect file sharing connections (recommended) Enable file sharing for devices that use 40- or 56-bit encryption
I	Password protected sharing
	When password protected sharing is on, only people who have a user account and password on this computer can access shared files, printers attached to this computer, and the Public folders. To give other people access, you must turn off password protected sharing.
	 Turn on password protected sharing Turn off password protected sharing
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- 2. It is advised to change the "128 bit encryption" to the "40- or 56-bit encryption".
- 3. Users can choose to use advanced sharing options.
 - 1) Be sure to add "Guests" in "Security" tab, and give at least "Read" access, to access without password from XtreamerTV
 - 2) You might have to reset all permission, using "Advanced" security dialog.

Advanced	d Security Settings for TestSh	are2	to Darge Personne	×
Permissions				
To view or Object nar	edit details for a permission en me: C:\TestShare2	try, select the entry a	and then dick Edit.	
Permission	entries:			
Туре	Name	Permission	Inherited From	Apply To
Allow	test (WIN-DU5J5NTQ40	Full control	<not inherited=""></not>	This folder, subfolders a
Allow	Guests (WIN-DU5J5NTQ	Read & execute	<not inherited=""></not>	This folder, subfolders a
Allow	Administrators (WIN-DU	Full control	<not inherited=""></not>	This folder, subfolders a
Allow	SYSTEM	Full control	<not inherited=""></not>	This folder, subfolders a
	inheritable permissions from th	<u>R</u> emove is object's parent h inheritable permissic	ons from this object	
Managing	permission entries			
			ОК	Cancel Apply

4. Don't forget to add "Guests" in "Sharing" tab

TestShare2 Properties X General Sharing Security Previous Versions Customize Permissions for TestShare2 Network File and Folder Sharing Advanced Sharing TestShare2 Share d Network Path: Share this folder Share Share name: Advanced Sharing Share name: Share Share name: Advanced Sharing Add Set custom permissions, create mult advanced sharing options. Add Password Protection Add People without a user account and can access folders shared with evel Permissions People without a user account and can access folder with evel Permissions TestShare 2 Add People without a user account and can access folders shared with evel Permissions Comments: Permissions Can be this this the total advanced with evel Permissions Permissions Cach		- Turn on network discovery		
General Sharing Security Previous Versions Customize Network File and Folder Sharing TestShare2 Share Share Permissions Shared Advanced Sharing Network Path: Share this folder \WIN-DU5J5NTQ40F\TestShare2 Share this folder Share Settings Share name: TestShare2 Advanced Sharing Set custom permissions, create mult advanced sharing options. Add Remove Limit the number of simultar Comments: Password Protection Comments: Permissions Cacht	TestShare2 Properties	23		
Network Fle and Folder Sharing Test Share 2 Shared Network Path: \WIN-DU5J5NTQ40F\TestShare2 Share Advanced Sharing Set custom permissions, create mult advanced sharing options. Very Advanced Sharing Password Protection People without a user account and can access folders shared with even Test Share user account and can access folders shared with even Share name: Test Share 2 Add Remove Add Remove Permissions for Guests Allow Denv Full Control Change Read	General Sharing Security Previous	Versions Customize	Permissions for TestShare2	×
Test Share 2 Shared Network Path: \WIN-DU5J5NTQ40F\Test Share2 Share Advanced Sharing Set custom permissions, create multadvanced sharing Password Protection People without a user account and can access folders shared with eve Test Share in the test of the resistory Advanced Sharing Advanced Sharing Password Protection People without a user account and can access folders shared with eve Test black Advanced Sharing Advanced Sharing Password Protection People without a user account and can access folders shared with evee Test black Advanced Sharing Advanced Sharing Password Protection People without a user account and can access folders shared with eve <	Network File and Folder Sharing		Share Permissions	
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Share Share Advanced Sharing Set custom permissions, create mult advanced sharing options. Add Remove Limit the number of simultar Password Protection People without a user account and can access folders shared with ever Text here the number Settings Share name: TestShare2 Add Remove Add Remove Add Remove Limit the number of simultar Comments: Comments: Permissions Cach	Network Path:	Share this folder	& Everyone & Administrators (WIN-DU5J5N	TQ40F\Administrators)
Advanced Sharing Image: Stare name: Stare na	Share	Settings	Suests (WIN-DU5J5NTQ40F	Guests)
Advanced Sharing Add Remove Set custom permissions, create mult advanced sharing options. Add Remove Imit the number of simultar Limit the number of simultar Permissions for Guests Allow Password Protection Comments: Full Control Imit the number of simultar People without a user account and can access folders shared with even Permissions Cach		TestShare2	-	
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Password Protection Comments: Full Control People without a user account and can access folders shared with evel Permissions Cachi	advanced sharing options.	Limit the number of simulta	Permissions for Guests	Allow Deny
Password Protection People without a user account and can access folders shared with evel Techenetics with evel Permissions Cachi Citalige Read	Referenced Sharing	Comments:	Full Control	
People without a user account and can access folders shared with ever	Password Protection		Read	
Permissions Cachi	People without a user account and can access folders shared with ever			
To change this setting, use the <u>Net</u>	To change this setting, use the <u>Net</u>	Permissions Cad		
		ОК		
			Learn about access control and p	
Close Cancel Apply OK Cancel Apply	Close	Cancel Apply	ОК	Cancel Apply

• Linux

<Ubuntu>

- 1. Create or choose a folder to share.
- 2. Right-click on the folder icon.
- 3. Choose [Sharing Options]
 - 1) If you didn't install relevant software suite (samba/samba-server/etc), ubuntu will instruct you to install software. Follow the instruction. Note that you may have to reboot, or manually start the relevant services. (smbd/nmbd)
 - 2) If you chose to restart, start over from step 1.
- 4. in [Folder Sharing] dialog,
 - 1) Enable "Share this folder"
 - 2) Enter "Share name" if you don't like the default.
 - 3) "Comment" is safe to be ignored.
 - 4) If you want password protected access, do not allow "Guest access"
 - 5) If you didn't choose "Allow others to create and delete files in the folder", current Ubuntu username will only be accepted, when accessed from XtreamerTV
 - 6) If you enabled "Allow others..." or "Guest access" you have to setup folder/file permission accordingly.
 - i. Guest or Other account needs -----r-x. (-----rwx, if you want write access).
 - ii. Same group account needs ---r-x---. (---rwx---, if you want write access).
 - iii. Set "x" bit only for folders, not for files.
 - iv. To grant all access in command line, run this command in the shared folder.
 - 1. chmod a+rx ./
 - 2. find . -type d -exec chmod a+rx $\{ \}$;
 - 3. find . -type f -exec chmod $a+r \setminus \{ \setminus \} \setminus$;
 - A. use a+rwx and a+rw if you want write access.
 - 4. You might need x bit enabled in parent folders of the shared folder.
 - A. If shared folder is "/pub/test/movies"
 - B. chmod a+x /pub; chmod a+x /pub/test
- 5. Detailed explanation for samba service setup and unix permission setup is not suitable for this document. If you enabled security options [selinux] for your ubuntu or whatever linux distribution, labeling and adding appropriate rules can be the key to sharing problems.

Setting up NFS shares on your Windows 7, Windows 8 and Windows 10 machine.

Download the latest haneWin NFS-server software (Shareware) from the developer's website <u>here</u>. In this guide, v 1.2.9 was used because this was the most recent version available.

22	ha	aneWIN NFS Server	x
	www.hanewin.de	haneWIN NFS Server 1.2.9 Copyright (c) 2002-2013 Herbert Hanewinkel, mail@hanewin.d All rights reserved	e
L	icensed to:	Mercury17	
		OK	

Download the file to your desktop or folder of your choice. It is an executable, rightclick it and choose to "run as Administrator". The installation-process will now start. Confirm all steps and let the process finish.

Then, rightclick the NFS-server icon on your desktop and choose tp "run as Administrator". You should then see this screen.

🁺 har	eWIN NFS S	Server		x	
NFS Server Exports M	ounts PortMapp	per Language			
Mount Daemon Port:		1058	Help		
NFS Server Port:		2049	Registration		
Number of UDP NFS Serve	r Threads:	4			
Maximum NFS transfer size	(bytes):	8192	About		
Operate NFS Server on:	🔽 UDP	▼ TCP			
NFS Server protocol:	Version 2	Version 3			
🔽 Async write for NFS-2 (f	aster)				
Force sync write for NFS	6-3				
No count of sub-dirs (fa:	ster)				
Use default access for create with mode zero					
🔽 Allow unix style soft link:	8				
Hard links are supported on	NTFS volumes s	tarting with Wir)2k.		
Emulate hard links by a file copy for other volumes.					
Modifications are activated after server restart					
	ОК	Annuleren	Toepas	sen	

Do not change any settings in this screen (unless you know what you are doing) because it is not necessary. It works just fine with these settings on Gb LAN streaming BR-video with DTS HD MA audio-stream.

We are going to share a folder called HDmovies through NFS. In this case, the folder is located on the

root of drive C:\ as you can see on this screen:

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Bestand Start Delen	Beeld						~ ?
€ ∋ - ↑ 💾 → Co	omputer > C-W8PROX64 (C:)				v ¢	Zoeken in C-W8PROX64 (C:)	,p
🔆 Favorieten	Naam	Gewijzigd op	Туре	Grootte			
E Bureaublad)) 1	14-2-2013 15:44	Bestandsmap				
\rm Downloads	Gebruikers	26-1-2013 18:49	Bestandsmap				
🖳 Recente locaties	J HDmovies	26-1-2013 19:32	Bestandsmap				
	퉬 PerfLogs	26-7-2012 09:33	Bestandsmap				
🥽 Bibliotheken	퉬 Program Files	14-2-2013 11:08	Bestandsmap				
📔 Afbeeldingen	퉬 Program Files (x86)	27-1-2013 10:28	Bestandsmap				
Documenten	퉬 totalcmd	27-1-2013 11:05	Bestandsmap				
👌 Muziek	퉬 Windows	27-1-2013 10:32	Bestandsmap				
🛃 Video's							
Thuisgroep Computer CoW8PROX64 (C:) Plex Media Server: Fi Reinier (core-i7-870) Netwerk							
8 items 1 item geselectee	erd						:==

Now. In the NFS-server screen on your desktop, click the "export"-tab, a screen will open that looks this:

	haneWIN N	IFS Server	T	×
NFS Server Ex Directory c:\HDmovies	ports Mounts Por Options -readonly	tMapper La Clients	anguage	
	Editexpo	orts file		
			Restart Serve	1
Exports	modifications are ac	tivated after :	server restart	
	ОК	An An	nuleren Toe	passen

Click the button that says "Edit exports-file" and change the export-line according the screen above but ofcourse, you need to adjust the path to reflect your exact folder-location. If you have done so, click "**Save file**" and then click to "**Restart server**" to apply the new export-file.

After you have done all that, it is time to boot your player, in this case the XtreamerTV.

Use the remote to select "Folders" => add Folder => OK...

It will show the shares available on your network after searching and pick the new NFS-share and Press OK. It should show that the new share is added and if you now look at the screen of the NFS-server program and click the "Mounts"-tab, you will see that is was a succesfull mount:

2	haneWIN NFS Server	×
NFS Server Exports	Mounts PortMapper Language	
Client XTREAMERTV	Mount Point c:\HDmovies	
1		
	OK Annuleren Toe	passen

Good luck and enjoy.