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Plex Media Server

This is a guide for installing the Plex Media Server plugin.

Create the Media Dataset

G	o to the '	'Service	s" page.									
	Account	System	0 Tasks	Network	Storage	Directory	leine Sharing	Services	Plugins	Jails F	Reporting	T Wizard
	System											
	Information	General	Boot	Advanced	Email	System Data	aset Tunab	oles Update	CAs	Certificates	Support	
	System	Informati	on									
	Hostnam	e	E	dit								
	Build	Freel	NAS-9.10-R	ELEASE (2de	f9c8)							
Platform Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz Memory 16248MB												
	System T	ime										
	Uptime											
	Load Ave	erage 0.00	, 0.06, 0.13									
N	ow switcl	h off the	"CIFS" s	service.								

CIFS

OFF 🔧

We now need to create a dataset for storing all the media (i.e. films, music, etc) you have on your server.

- Go to the "Storage" page (1).
- Select the volume (it will turn blue when you choose it) (2) (in Fester's case this was Tank1).
- Now click on the "Create Dataset" button (3).

ast update	e: 2016/06/0	08 02:01	fester11	2:jails_ple	x https://famil	ybrown.org/o	lokuwiki/dok	u.php?id=fes	ster112:jail	s_plex&rev=14	6535126
Account	System	0 Tasks	Network	Storage	Directory	(Sharing	Services	Plugins	Jails	Reporting	T Wizard
Storage				1							
Volumes	Periodic Sr	napshot Tas	ks Replication	Tasks	Scrubs Snaj	pshots VMw	are-Snapshot				
Volume Ma	inager	mport Disk	Import Volun	Vier	w Disks						
Name			Used			Available		Со	mpression		Со
⊿ Tank1	2	2	1.3 GiB (0%)		29.0 TiB		-1			-
⊿ Tank1			954.9 MiB (0	%)		20.0 TiB		lz4			1.5
Tests	Share		33.4 MiB (0%	6)	1	20.0 TiB		inh	erit (lz4)		1.0
🔺 jails			605.8 MiB (0%) 20.0 TiB inherit (lz4)				1.8				
jails plug	s/.warden-te giniail	emplate-	605.6 MiB (0	%)	:	20.0 TiB		inh	erit <mark>(</mark> lz4)		1.8
		3 Crea	te Dataset								
		۰È									

- In the "Dataset Name:" text box (1) type a name for the new media dataset (Fester very imaginatively used **Media**).
- Leave the "Compression Level:" drop down selection box (2) at its default value (Iz4).
- In "Share type:" I selected **Windows** simply because most of the clients on Fester's network are Windows machines.
- Now click on the "Add Dataset" button (4).

C	reate Dataset						
	Create ZFS dataset in Tank	1					
	Dataset Name:	Media					
	Compression level: 2	Inherit (lz4) 🔻					
	Share type:	Windows 💌					
	Case Sensitivity:	Sensitive 💌					
	Enable atime:	 Inherit (on) On Off 					
	ZFS Deduplication:	Enabling dedup may have drastic performance implications, as well as impact your ability to access your data. Consider using compression instead. Inherit (off)					
	4 Inherit (off) Add Dataset Cancel Advanced Mode						

If all goes well the new dataset will be listed in the "Storage" page. Select the new dataset (it should turn blue when selected) (1). Now click on the "Change Permissions" button (2).

Name Used Tank1 1.3 GiB (0%) Tank1 955.2 MiB (0%)	Available
▲ Tank1 1.3 GiB (0%) ▲ Tank1 1 955.2 MiB (0%)	
Tank1 1 955.2 MiB (0%)	29.0 TiB
-	20.0 TiB
Media 204.8 KiB (0%)	20.0 TiB
TestShare 33.4 MiB (0%)	20.0 TiB
⊿ jails 605.8 MiB (0%)	20.0 TiB
jails/.warden-template- 605.6 MiB (0%) pluginjail	20.0 TiB

2
Change Permissions

- In the "Owner (user):" drop down selection box (1) select whatever user you created when we created the experimental share (in Fester's case this was TestUser).
- In the "Owner (group):" drop down selection box (2) select whatever group you created when we created the experimental share (in Fester's case this was TestGroup).
- Tick the "Set permission recursively:" tick box (3).
- Now click the "Change" button (4).

(Change permission		^
Cł	ange permission on /mnt/Ta	ank1/Media to:	
	Apply Owner (user):		
	Owner (user): 1	TestUser	
	Apply Owner (group):		
	Owner (group): 2	TestGroup	
	Apply Mode:		
	Mode:	Owner Group OtherReadImage: Constraint of the secureWriteImage: Constraint of the secureExecuteImage: Constraint of the secure	Ш
	Permission Type:	 O Unix Mac Windows 	
	Set permission recursively:		
	Change		-

Add Media Share

Now go to the "Sharing" page.

				ijuno_piex	nups.//iunnipore	Williong/uol	awini, aoka		criiz.juii5_p		+0555120
Account	System	D Tasks	Network	Storage	Directory	ि Sharing	Services	Plugins	Jails	Reporting	T Wizard
System											
Information	General	Boot	Advanced	Email	System Datase	t Tunable	s Update	CAs	Certificates	Support	
System In Hostname	nformatio	on E	dit								
Build	Free	IAS-9.10-R	ELEASE (2def	⁵ 9c8)							
Platform	Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz										
Memory	1624	8MB									
System Ti	me										
Uptime											
Load Ave	rage 0.00,	0.06, 0.13									

Now click the "Windows (CIFS)" button (1) and then click the "Add Windows (CIFS) Share" button (2).

Sharing		1					
Apple (AFP)	UNIX (NFS)	WebDAV (Windows (CIFS))	Block (iSCSI)				
Add Windows (CIFS) Share 2							
Path		Name	Comment				
/mnt/Tank1/	TestShare	Fester's Test Share					

A new smaller window will pop up. In the "Path:" section click the "Browse" button.

Add Windows (CIFS) Share	×
Path:	/mnt/Tank1/Media Browse
Use as home share:	
Name:	Media Share
Apply Default Permissions:	
Allow Guest Access:	
OK Cancel Advanced M	lode

The window should now expand a little and allow you to navigate to the newly created dataset (1). When you have it selected click the "Close" button (2).

A	dd Windows (CIFS) Sh	are	* *
	Path:	<pre>/mnt/Tank1/Media Close Cl</pre>	I
	Use as home share:		
	Name:	Fester's Plex Share	
	Apply Default Permissions:		
			*

- The "Path:" text box (1) should now display the chosen dataset.
- Do not tick the "Use as home share:" tick box (2) at the moment.
- Give the share a name in the "Name:" text box (3).
- Put a tick in the "Apply Default Permissions:" tick box (4) if a tick is not present.
- Do not tick the "Allow Guest Access:" tick box (5).
- Now click the "OK" button (6).

Add Windows (CIFS) Sh	are	X
Path:	1 /mnt/Tank1/Media	Browse
Use as home share:	2	
Name:	3 Fester's Plex Share]
Apply Default Permissi	ons: 🔽 🤃 4	
Allow Guest Access: 6 OK Cancel Advar	5 (i) nced Mode	

If all goes well you will see the newly created CIFS share entry (1). You will now be asked if you wish to enable the CIFS share service. Click the "Yes" button (2).

Sharing Apple (AFP) UNIX (NFS) WebDA Add Windows (CIFS) Share	/ Windows (CIFS) Block (iSCSI)			
Path 1	Name	Comment	Export Read Only	
/mnt/Tank1/Media	Fester's Plex Share		false	
/mnt/Tank1/TestShare	Fester's Test Share		false	
Enable service Would you like to enable this service? 2 Yes No				

The CIFS share service should now turn on.



Give the server some time to get the share up and running, then it is time to map the new network folder to a drive letter.

Map Network Drive

On the Windows client click on the "Start" button and go into "Computer" (this was on a Windows 7 machine). This should bring up a window that shows all the hard drives and any other devices connected to the Windows computer. Click on the "Map Network Drive" button.

			X
Image: Second secon	✓ ↓ Search Con	nputer	Q
Organize System properties Uninstall or change a program Map network drive	>		0
 Hard Disk Drives (1) 			
Local Disk (C:)			
2.74 GB free of 464 GB			
Devices with Removable Storage (3)			
BD-ROM Drive (D:)	DVD Drive (F:)		
 Network Location (1) 			
Fester's Test Share (\\TESTNAS1) (Z:)			

- From the "Drive:" drop down selection box (1) chose the drive letter you wish to assign to the shared folder (Fester accepted the default Y letter).
- Now click the "Browse..." button (2). This will cause a window to pop up.
- Navigate to the location of the shared folder by clicking on the server (in this case TestNAS1) (3) and then clicking on the shared folder itself (in this case Fester's Plex Share) (4).
- Now click the "OK" button (5).
- The shared folder's path name should appear in the "Folder:" text box (6).
- Tick the "Reconnect at logon! Tick box (7).
- Now click the "Finish" button (8).

Co S Map Network Drive
What network folder would you like to map? Specify the drive letter for the connection and the folder that you want to connect to:
Folder: 6 \\TESTNAS1\Fester's Plex Share Browse 2
Example: \\server\share Reconnect at logon 7
Connect using different credentials <u>Connect to a Web site that you can use to store your documents and pictures</u> .
8
Finish Cancel

	Browse For Folder
🌀 🤏 Map Net	Select a shared network folder
What netw	🔍 Network
Specify the dri	it to:
Drive: Y	Fester's Plex Share 4
Folder:	Fester's Test Share
E	
	5
<u>c</u>	Make New Folder OK Cancel
	Finish Cancel

If all has gone well you should find yourself in the shared folder. Here you can create other folders and save files. Test this to make sure there are no permissions problems. You should create a folder here for each type of media you want to use with the Plex Media Server (Movies, TV shows, Music, etc.).

Now copy a couple of media files (i.e. music, films, etc) into this folder. We will need these later to check the Plex media server.

The shared folder will now appear as another drive on your system and should look something like this.

Computer ►	 ✓ ✓ Search Computer
Organize Properties System properties Uninstall or change a program	Map network drive 🔹 📴 🔹 👔
 Hard Disk Drives (1) 	
Local Disk (C:)	
2.73 GB free of 464 GB	
 Devices with Removable Storage (3) 	
BD-ROM Drive (D:)	DVD Drive (F:)
Network Location (2)	come.
Fester's Plex Share (\\TESTNAS1) (Y:) (Z:)	S1)
Here Is The New Share.	
Fester's Plex Share (\\TESTNAS1) (Y:) Space used: Network Drive Space free: 19.9 TB	Total size: 19.9 TB File system: NTFS

Install the Plex Plugin

Now go to the "Plugins" page and wait for the page to become populated.

(If the Plugins page does not populate then check the DNS servers are configured properly in FreeNAS.)

Scroll down and select the plugin you want by clicking on it (in Fester's case this was the PlexMediaServer) (1) and then click the "Install" button (2).

A small window with a warning message will pop up. Just click the "OK" button.

You should now see something like this.

When the Plex plugin has installed go to the "Jails" page.

Make a note of the IP address assigned to the Plex media server (it is under the "IPv4 Address" heading). Now select the "plexmediaserver_1" jail (1) (it will turn blue when selected) and click on the "Add Storage" button (2).

A new smaller window will pop up. In the "Source:" section click the "Browse" button.

The window should now expand a little and allow you to navigate to the newly created dataset (1). When you have it selected click the "Close" button (2).

In the "Destination:" section click the "Browse" button.

The window should now expand a little and allow you to navigate to the folder within the Jail you wish to use (1) (Fester used the media folder). When you have it selected click the "Close" button (2).

Now click on the "OK" button.

Remain within the "Jails" page and check that the storage for the Plex media server has been created by clicking on the "Storage" button (1). You should see an entry that relates to the newly created storage (2).

Now go back to the "Plugins" page. Click on the "Installed" button (1). Now switch on the Plex media server service by clicking on the "On/Off" button (2).

Give the Plex service a moment to get running.

Configure Plex Media Server

Now open your web browser and type in the following web address.

FreeNASAssignedWebAddressHere:32400/web

In Fester's case this would look like this.

192.168.0.9:32400/web

If you don't know the IP address that FreeNAS assigned to the Plex media server you can find it in the "Jails" page listed under the "IPv4 Address" heading.

If all goes well you should be presented with the Plex Media Server web GUI. You should see something like this.

Follow the on screen instructions to setup the Plex media server as you need it. As each person's preferences are different I won't cover that here. If you have any problems there is a wealth of information on the Plex website.

Whatever you do make sure you click the "Add Library" button so you can tell Plex where to find the folder within the Jail that links to the media share. If you don't do this you will not be able to use your media files in Plex.

Fester likes music (let's go Disco!) so I picked Music as the "Library Type" (1). In the "Name" text box you can give the library a meaningful name (Fester stuck with Music). Now click the "Add Folders" button (3).

Next click on the folder icon (1) and from the list that appears select the "media" folder (2). Now click the "ADD" button (3).

Now click the "ADD LIBRARY" button.

If all goes well your media should appear (in Fester's case two test files). You should see something like this.

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