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### **Where can I save my scripts?**

by [christian\\_apr](#) » Tue Mar 17, 2009 7:57 am

Hi,

in which directory can I save my scripts, I create a simple script with Advances->File Editor, I saved it in /bin/ but when I restart my freenas server, the script wasn't there anymore.

I know I can save my scripts in /mnt/..., but is there anywhere else where I can put my script?

thanks

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### **Re: Where can I save my scripts?**

by [danmero](#) » Tue Mar 17, 2009 8:03 am

*christian\_apr wrote:*I know I can save my scripts in /mnt/..., but is there anywhere else where I can put my script?

You should not save your scripts in /bin/ or /mnt/ only on /mnt/share/...  
No , this is the only way on "embedded" platform.

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### **Re: Where can I save my scripts?**

by [micro23](#) » Wed Mar 18, 2009 7:49 pm

I have embedded and I save mine to....

/mnt/share/system/scripts

it makes it easy and it's organized.

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### **Re: Where can I save my scripts?**

by [bmcclore937](#) » Thu Mar 19, 2009 5:58 pm

*micro23 wrote:*I have embedded and I save mine to....

/mnt/share/system/scripts

it makes it easy and it's organized.

I do something similar, probably the same. I assume that "share" is the name of your mount?

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### **Re: Where can I save my scripts?**

by [micro23](#) » Thu Mar 19, 2009 6:08 pm

Yup, I call my share Monster

so it's

/mnt/monster/system/scripts/scriptname.sh

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### **Re: Where can I save my scripts?**

by [bmcclore937](#) » Fri Mar 20, 2009 12:42 am

*micro23 wrote:*Yup, I call my share Monster

so it's

/mnt/monster/system/scripts/scriptname.sh

I do something similar, since I am running an embedded version of FreeNAS. I just have a "scripts" directory on one of my mnts as well ;)

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### **Re: Where can I save my scripts?**

by [axello](#) » Wed Mar 25, 2009 3:54 pm

I have written a cron job which checks the various RAIDs in my system and e-mails me when things go awry. It would be foolish to store this script on one of the RAID volumes in /mnt. Is there really no other place to safely store the script? Most of the places I tried are emptied after a reboot. I'm using /conf at the moment, as that also stores the config.xml file. Is this a 'safe' location for future updates?

Axel

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### **Re: Where can I save my scripts?**

by [danmero](#) » Wed Mar 25, 2009 4:20 pm

*axello wrote:*It would be foolish to store this script on one of the RAID volumes in /mnt.

Why not ? can you elaborate ?

*axello wrote:*Is there really no other place to safely store the script?

Anywhere is safe :lol: more or less,

*axello wrote:*Most of the places I tried are emptied after a reboot.

What is "most of.." ;)

*axello wrote:*I'm using /conf at the moment, as that also stores the config.xml file. Is this a 'safe' location for future updates?

What platform? read the forum rules !

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### **Re: Where can I save my scripts?**

by [steef12](#) » Fri Mar 27, 2009 2:52 pm

It seems like you're stuck with two options:

- 1) Saving it on the shared disks, which (if you're trying to have them sleep) means spinning up the disks every time you want to run your script.
- 2 Saving it on the embedded disk (cf card, usb key), and reducing the life of that device.

I think for now I'll keep my scripts on my shared hard disks, since they're meant to be read from/written to randomly and often.

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### **Re: Where can I save my scripts?**

by [danmero](#) » Fri Mar 27, 2009 4:10 pm

*steef12 wrote:*1) Saving it on the shared disks, which (if you're trying to have them sleep) means spinning up the disks every time you want to run your script.

Set "the sticky bit" on script, that will save your disk.

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**[Re: Where can I save my scripts?](#)**

by [steef12](#) » Fri Mar 27, 2009 5:23 pm

Ooh, cool. If I schedule a script to run every 15 minutes and it's not necessarily writing anything to the config, is it safe to run it from a cf card?

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**[Re: Where can I save my scripts?](#)**

by [danmero](#) » Fri Mar 27, 2009 8:24 pm

Another way is to copy your scripts from disk to FreeNAS RAM disk and run from there

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**[Re: Where can I save my scripts?](#)**

by [steef12](#) » Fri Mar 27, 2009 8:32 pm

That sounds like a better approach. Create a command script that first copies the cronned scripts to somewhere in the RAM disk. Would /var be a good place? it seems to have more space available than / .

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**[Re: Where can I save my scripts?](#)**

by [smc](#) » Fri Aug 14, 2009 2:29 pm

1st of all sorry if I resume this thread,  
then, I'm driving crazy with scripts' destination directory.

I installed embedded verison and create following directory: /mnt/share  
Then create a samba share pointing on /mnt/share and called it: "share"

My problem is when I reboot FreeNAS the "share" directory disappear!!!  
Could you please help?

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**[Re: Where can I save my scripts?](#)**

by [danmero](#) » Fri Aug 14, 2009 4:03 pm

*smc wrote:*I installed embedded verison and create following directory: /mnt/share  
.....  
My problem is when I reboot FreeNAS the "share" directory disappear!!!

That's correct. That directory and the mount point are not manage from FreeNAS WebGUI 8-)  
You can use FreeNAS WebGUI to create/manage the mount point or a startup script run from PostInit.

You'll find your way around soon

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**[Re: Where can I save my scripts?](#)**

by [smc](#) » Fri Aug 14, 2009 4:24 pm

*danmero wrote:*You can use FreeNAS WebGUI to create/manage the mount point

Do you mean "Disk -> Mount Point" ??  
Or can you please explain how I can create a directory that doesn't disappear after reboot ?? :oops:

*danmero wrote:*or a startup script run from PostInit.

MMM I think is too hard for me! :|

*danmero wrote:*You'll find your way around soon :)

I hope too...

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### **Re: Where can I save my scripts?**

by [smc](#) » Sun Aug 16, 2009 7:26 am

*smc wrote:*

*danmero wrote:*You can use FreeNAS WebGUI to create/manage the mount point

Do you mean "Disk -> Mount Point" ??

Or can you please explain how I can create a directory that doesn't disappear after reboot ??

No one? :cry:

danmero, are you in holiday?

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### **Re: Where can I save my scripts?**

by [srogovtsev](#) » Wed Aug 19, 2009 10:17 am

*smc wrote:*

*smc wrote:*

*danmero wrote:*You can use FreeNAS WebGUI to create/manage the mount point

Do you mean "Disk -> Mount Point" ??

Or can you please explain how I can create a directory that doesn't disappear after reboot ??

No one? :cry:

danmero, are you in holiday? :P

I suppose you should first get around FreeNAS before trying to script it.

Because it is NAS it is supposed to have permanent storage devices (i.e., HDDs). They are supposed to be mounted (thru WebGUI/Disks menu), and thus appear as directories in /mnt (i.e, /mnt/disk1, /mnt/otherdisk). You can not create permanent directory in /mnt/ on embedded platform other than this way (because it is RAM disk in fact).

So, there are two solutions:

First, preferred: add HDD to your NAS (or else why have you built in first place?), mount it, place scripts there, run from there. It's easiest.

Second, alternate: place scripts to card/usb stick you're running from. It'll be mounted (readonly) on startup as /cf. You can run scripts from there.

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### **Re: Where can I save my scripts?**

by [danmero](#) » Wed Aug 19, 2009 12:53 pm

*srogovtsev wrote:*add HDD to your NAS (or else why have you built in first place?), mount it, place scripts there, run from there. It's easiest.

That's the best way.

*srogovtsev wrote:*Second, alternate: place scripts to card/usb stick you're running from. It'll be mounted (readonly) on startup as /cf. You can run scripts from there.

That's the last way, scripts will be lost on firmware upgrade.

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## [Re: Where can I save my scripts?](#)

by [gakkfar](#) » Thu Apr 15, 2010 1:08 pm

I have set up all disks with encryption, and anything saved to the disks will not be available until after booting and (manually) attaching the drives.

I'd like to add a script to automatically attach the disks, but this would obviously require that they are located somewhere else....

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## [Re: Where can I save my scripts?](#)

by [danmero](#) » Thu Apr 15, 2010 5:13 pm

*gakkfar wrote:*I have set up all disks with encryption, and anything saved to the disks will not be available until after booting and (manually) attaching the drives.

From my understanding you already read [geli manual](#) and hopefully you did backup your encrypted volume metadata.

*gakkfar wrote:*I'd like to add a script to automatically attach the disks, but this would obviously require that they are located somewhere else....

You have few options here:

- Save the script and key on FreeNAS boot partition /cf , Not suggested since will not survive firmware upgrade and you are running "embedded" platform on USB(from your other post).
  - Save the script on second partition of your system disk(USB), Suggested
  - Save the script on any other volume, not suggested.
- 

## [Re: Where can I save my scripts?](#)

by [delicatepc](#) » Mon Apr 19, 2010 9:10 pm

*danmero wrote:*

- Save the script and key on FreeNAS boot partition /cf , Not suggested since will not survive firmware upgrade and you are running "embedded" platform on USB(from your other post).

Maybe i'm totally missing the mark here but couldn't you create a script that would backup the /cf/scripts folder to another location (such as /mnt/drive1/.cf/scriptsbackup). Maybe have the script backup the whole cf directory every week (maybe overkill if /cf is basically same thing off the freenas cd...).

So the script (located in /cf/scripts/) backs up /cf/scripts to another location and if your upgrade the firmware then the scripts can be restored as part of your setup/config process.

Anything wrong with idea? Did something go \*woosh\*? I generally run the full install thats why I ask....

Thank you,  
dpc

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## [Re: Where can I save my scripts?](#)

by [danmero](#) » Mon Apr 19, 2010 11:15 pm

*delicatepc wrote:*Maybe i'm totally missing the mark here but couldn't you create a script that would backup the /cf/scripts folder to another location (such as /mnt/drive1/.cf/scriptsbackup).

Yes, however will be the same as having the scripts on /mnt/drive1/.cf/scriptsbackup ;)

The main idea of "embedded" platform is to limit the I/O access on system disk(CF/USB) at maximum.

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## [Re: Where can I save my scripts?](#)

by [delicatepc](#) » Mon Apr 19, 2010 11:24 pm

Yes, however will be the same as having the scripts on /mnt/drive1/.cf/scriptsbackup ;)

Very true. I totally forgot about that.

One benefit I see with saving it in /cf/scripts would be that the storage drives would have no "connection" to the OS? I like to abstract my actual storage drives as just placeholders (they can exist today and die tomorrow). And vice versa with the OS (if the CF card tanks then data drives are fine simply need to recreate/buy another CF).

One drawback in the increased I/O on the CF (not want). If there was a way to launch it into RAM that would perhaps remove this drawback.

Each to there own :)

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### **Re: Where can I save my scripts?**

by [danmero](#) » Mon Apr 19, 2010 11:43 pm

*delicatepc wrote:*If there was a way to launch it into RAM that would perhaps remove this drawback.

Copy the scripts to your RAM disk and run from RAM.

Imagination, life is your creation....

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### **Re: Where can I save my scripts?**

by [chrikai](#) » Thu Jun 10, 2010 9:09 am

Hi !

*danmero wrote:*Copy the scripts to your RAM disk and run from RAM.

I do so, works perfect on my embedded system. I store the scripts in a folder in one of my mountpoints and copy them to RAM disc after system init of FreeNAS. My example on how to do this and a basic copy script you will find within

<https://sourceforge.net/apps/phpbb/freenas/viewtopic.php?f=12&t=2158&start=50#p33602>

Have fun  
chrikai