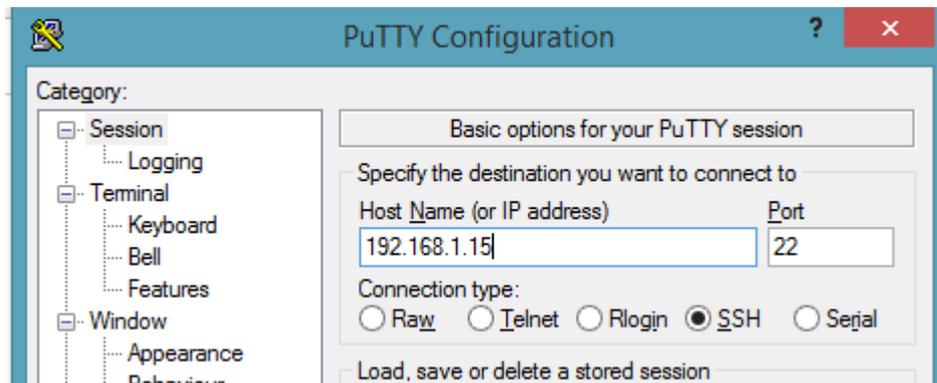


Make sure the following is set:

<b>Autostart:</b>	<input checked="" type="checkbox"/>
<b>VIMAGE:</b>	<input checked="" type="checkbox"/>
<b>NAT:</b>	<input type="checkbox"/>
<b>vanilla:</b>	<input checked="" type="checkbox"/>

Then click ok.

Next go ahead and open putty (or something similar) and connect directly to your FreeNAS's IP.  
Username: root Password: [your password]



First we need to find the jail we just created. Run the following command:

```
jls
```

This will return a list of all your current jails:

JID	IP Address	Hostname	Path
1	-	PlexConnect	/mnt/Volume1/jails/PlexConnect
2	-	btsync_1	/mnt/Volume1/jails/btsync_1
3	-	plexmediaserver_1	/mnt/Volume1/jails/plexmediaserver_1
4	-	PlexConnect_test	/mnt/Volume1/jails/PlexConnect_test

Now you want to directly connect to the jail itself using the JID. From the list you look for the hostname PlexConnect (I will be using PlexConnect\_test as I don't want to change my current setup, you should use PlexConnect jail.)

To get into the jail run the following command

```
Jexec <JID> Ccsh
```

Where <JID> is the JID of the PlexConnect jail.

Now you are in the jail! Yay!

## Install the required software:

First we are going to have to install all the extra packages PlexConnect requires to work.

### 1. Pkg manager.

First let's do some future proofing. Now `pkg_add` can be used instead of this method. But everyone seems to have a massive problem with it so let's use `pkgng`, BUT since it is not a standard part of a pluginjail we need to install it.

Run:

```
pkg_add -r pkg
```

This will download a few things and then prompt you with the following:

```
If you are upgrading from the old package format, first run:  
# pkg2ng
```

So then run the command:

```
pkg2ng
```

This will take several minutes just be patient.

Now for good measure you can just run:

```
pkg update
```

If it wants you to update the pkg manager just say yes.

### 2. Python

To install python just run:

```
pkg install python
```

### 3. Nano – Text editing

```
pkg install nano
```

### 4. Bash

```
pkg install bash
```

### 5. Git

```
pkg install git
```

## Part 1: Get PlexConnect and Configure it

### Get PlexConnect

Now we have to fetch the newest PlexConnect from the git repo.

```
git clone https://github.com/iBaa/PlexConnect.git
cd PlexConnect/
git pull
```

### Generate the required SSL certificates

Next we need to create the communication certificates. Change directory to the certificates folder

```
cd /PlexConnect/assets/certificates
```

```
openssl req -new -nodes -newkey rsa:2048 -out trailers.pem -keyout
trailers.key -x509 -days 7300 -subj "/C=US/CN=trailers.apple.com"
```

This will create 2 files trailers.key and trailers.pem. Next run this:

```
openssl x509 -in trailers.pem -outform der -out trailers.cer && cat
trailers.key >> trailers.pem
```

### Create the Settings.cfg file

Go back to the root directory:

```
cd /
```

Change Directory:

```
cd PlexConnect/
```

Start PlexConnect so it creates Settings.cfg

```
./PlexConnect.py
```

When it started Exit using CTRL + C.

Now time to edit the config file:

```
nano Settings.cfg
```

Change the 2 lines below:

```
ip_pms = 10.0.0.30 # This one you have to change to your Jail IP address
enable_plexgdm = False # This one you have to change from True to False
```

## Test that the basics work:

To start PlexConnect:

```
bash /PlexConnect/PlexConnect_daemon.bash start
```

Make sure it starts up:

```
bash /PlexConnect/PlexConnect_daemon.bash status
```

It should return that it is running. Then you can stop the process:

```
bash /PlexConnect/PlexConnect_daemon.bash stop
```

## Part 2: Create the boot script and setting up the service

### Creat the boot script

```
nano /etc/rc.d/plexconnect
```

Copy and paste the following code and then save and close the file:

```
#!/bin/sh
#
#PROVIDE: PlexConnect
#REQUIRE: DAEMON
#KEYWORD: shutdown

. /etc/rc.subr

name=plexconnect
rcvar=plexconnect_enable
```

```
start_cmd="${name}_start"
stop_cmd="${name}_stop"
status_cmd="${name}_status"
extra_commands="status"

plexconnect_start()
{
/usr/local/bin/bash /PlexConnect/PlexConnect_daemon.bash start
}
plexconnect_stop()
{
/usr/local/bin/bash /PlexConnect/PlexConnect_daemon.bash stop
}

plexconnect_status()
{
/usr/local/bin/bash /PlexConnect/PlexConnect_daemon.bash status
}

load_rc_config $name
run_rc_command "$1"
```

Make sure the file permissions are correct:

```
chmod 0555 /etc/rc.d/plexconnect
```

### Register the script:

```
nano /etc/rc.conf
```

and add the following line:

```
plexconnect_enable="Yes"
```

save it and close the file.

### Check that the script works:

```
/etc/rc.d/plexconnect start
```

And then calling:

```
/etc/rc.d/plexconnect status
```

This should return:

```
PlexConnect is running
```

So great the script works.

## Setup the plexconnect service:

Check that the service works:

```
service plexconnect status
```

If it returns that PlexConnect is running. Run the following:

```
service plexconnect stop
```

now the problem here is that when you run:

```
service plexconnect start
```

you get this error:

```
/PlexConnect/PlexConnect_daemon.bash: line 29: python: command not found
```

No problem. We must edit the PlexConnect\_daemon.bash so that it explicitly references the python instance. Run the following to open the .bash script

```
nano /PlexConnect/PlexConnect_daemon.bash
```

You should the the following:

```
#!/bin/bash

#
# Linux PlexConnect start stop script
#

# Package
DNAME="PlexConnect"
PNAME="PlexConnect_daemon"

# Others
# current path resolver from http://stackoverflow.com/a/246128
SOURCE="${BASH_SOURCE[0]}"
while [ -h "$SOURCE" ]; do
    DIR="$( cd -P "$( dirname "$SOURCE" )" && pwd )"
    SOURCE="$(readlink "$SOURCE")"
    [[ $SOURCE != /* ]] && SOURCE="$DIR/$SOURCE"
done
INSTALL_DIR="$( cd -P "$( dirname "$SOURCE" )" && pwd )"

PYTHON="python"
PROGRAM="$INSTALL_DIR/${PNAME}.py"
PID_FILE="/var/${PNAME}.pid"
```

Edit the PYTHON line as follows (so that it references the python instance explicitly):

```
PYTHON="/usr/local/bin/python"
```

Save the file

**FINALLY:**

run the following command:

```
service plexconnect status
```

and it should return:

```
PlexConnect is not running
```

Then start the service:

```
service plexconnect start
```

So plexconnect is now running and it is a valid service. Yay.

You can then test if it is working by either rebooting your NAS or toggling the plugins on off switch.

**FINAL NOTE: When you update plexconnect. Make sure that you remember to re-edit the PlexConnect\_daemon.bash file as that will be replaced when updating.**