

Procedure to install ferret-7.4.4 by SAURABH RATHORE

As I was already having ferret installed. So before installing new ferret I deleted the old ferret folder from /usr/local by using command

```
$cd /usr/local  
usr/local$ rm -rf ferret
```

(1) entre into super srathore mode

```
srathore@srathore:~$ sudo su  
enter your password :
```

(2) now you are in root

```
root@srathore:/home/srathore# cd /usr/local/
```

(3) creat directory ferret in /usr/local/

```
root@srathore:/usr/local/# mkdir ferret  
root@srathore:/usr/local/# cd ferret  
root@srathore:/usr/local/ferret#
```

(4) extract the tar.gz file **ferret-7.4-RHEL7-64.tar.gz**

```
root@srathore:/usr/local/ferret# tar -xzf /home/srathore/Downloads/ferret7/ferret-7.4.4-RHEL7-64.tar.gz
```

I downloaded my this tar.gz file from <https://github.com/NOAA-PMEL/Ferret/releases> and put it into ferret7 folder under Downloads. After extracting it a folder name **ferret-7.4.4-RHEL7-64** will appear into /usr/local/ferret directory.

(5) now time to extract data sets from <https://github.com/NOAA-PMEL/FerretDatasets/releases>. Download **Source code (tar.gz)** version.

```
root@srathore:/usr/local/ferret# mkdir fer_dsets  
root@srathore:/usr/local/ferret# cd fer_dsets  
root@srathore:/usr/local/ferret/fer_dsets# tar -xzf  
/home/srathore/Downloads/ferret7/FerretDatasets-7.4.tar.gz
```

After extracting it a folder name **FerretDatasets-7.4** will appear into /usr/local/ferret/fer_dsets directory.

(6) now time to finish installing

```
root@srathore:/usr/local/ferret/fer_dsets# /usr/local/ferret/ferret-7.4.4-RHEL7-64/bin/Finstall
```

Enter your choice:

(1) Install executables, (2) Customize ferret_paths files, (3,q,x) Exit
(1, 2, 3, q, x) --> 2

! you have to entre choice 2

Enter the name of the directory where the 'fer_environment.tar.gz' file was installed/extracted (FER_DIR). The location recommended in the Ferret installation guide was '/usr/local/ferret'.

FER_DIR --> /usr/local/ferret/ferret-7.4.4-RHEL7-64

you have to give this path because environmental variable extract and installed here.

Enter the name of the directory where the 'fer_dsets.tar.gz' file was installed/extracted (FER_DSETS).

FER_DSETS --> /usr/local/ferret/fer_dsets/FerretDatasets-7.4

you have to give this path for your data sets folder

ferret_paths link options:

c - link to ferret_paths.csh (all srathores work under tcsh, csh)

s - link to ferret_paths.sh (all srathores work under bash, dash, ksh, sh)

n - do not create the link (use ferret_paths.csh or ferret_paths.sh)

ferret_paths link to create? (c/s/n) [n] --> s

enter s for bash terminal like I have in ubuntu 16.04.

Created /usr/local/ferret/ferret_paths.csh

Creating Finstall.log in /usr/local/ferret/ferret-7.4.4-RHEL7-64/bin

Created /usr/local/ferret/ferret_paths.sh

**Created /usr/local/ferret/ferret_paths
as a link to ferret_paths.sh**

These green lines will be the output for creating your ferret links.

Enter your choice:

(1) Install executables, (2) Customize ferret_paths files, (3,q,x) Exit

(1, 2, 3, q, x) --> 3

quit and exit

root@srathore:/usr/local/ferret/fer_dsets# source /usr/local/ferret/ferret_paths

ferret -nojl

this will give you ferret prompt.

root@srathore:/usr/local/ferret/fer_dsets# exit

srathore@srathore:~\$ cd ~/

srathore@srathore:~\$ vi .bashrc

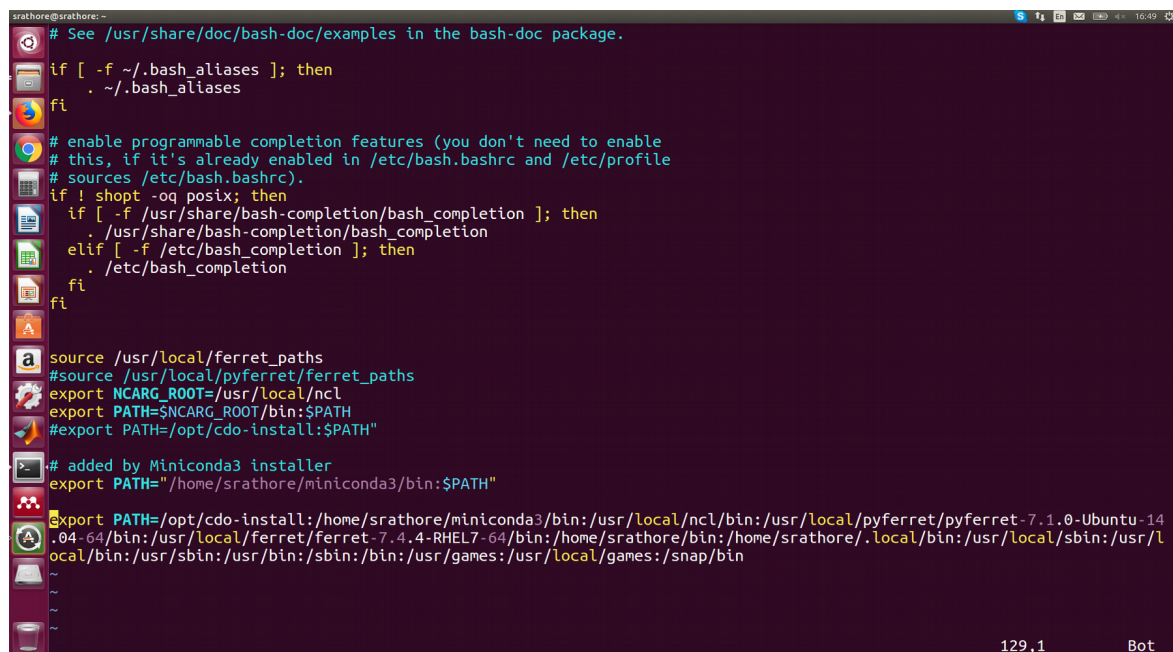
in this file after the last **fi** entre in the next line and write **source /usr/local/ferret/ferret_paths**
So if you were also having old ferret and installing new ferret you have to check the last three lines and perticularly the ferret line.

If it is written like this with the old ferret /bin path.....

```
export PATH=/opt/cdo-
install:/home/srathore/miniconda3/bin:/usr/local/ncl/bin:/usr/local/pyferret/pyferret-7.1.0-Ubuntu-
14.04-
64/bin:/usr/local/ferret/bin:/home/srathore/bin:/home/srathore/.local/bin:/usr/local/sbin:/usr/local/
bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
```

so you have to change it with new ferret /bin path where you have installed your executables.

```
export PATH=/opt/cdo-
install:/home/srathore/miniconda3/bin:/usr/local/ncl/bin:/usr/local/pyferret/pyferret-7.1.0-Ubuntu-
14.04-64/bin:/usr/local/ferret/ferret-7.4.4-RHEL7-
64/bin:/home/srathore/bin:/home/srathore/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/
sbin:/bin:/usr/games:/usr/local/games:/snap/bin
```



```
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi

source /usr/local/ferret_paths
#source /usr/local/pyferret/ferret_paths
export NCARG_ROOT=/usr/local/ncl
export PATH=$NCARG_ROOT/bin:$PATH
#export PATH=/opt/cdo-install:$PATH"

# added by Miniconda3 installer
export PATH="/home/srathore/miniconda3/bin:$PATH"

export PATH=/opt/cdo-install:/home/srathore/miniconda3/bin:/usr/local/ncl/bin:/usr/local/pyferret/pyferret-7.1.0-Ubuntu-14
.04-64/bin:/usr/local/ferret/ferret-7.4.4-RHEL7-64/bin:/home/srathore/bin:/home/srathore/.local/bin:/usr/local/sbin:/usr/l
ocal/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin

~
~
~
```

Now ferret is installed so enjoying ferreting.

SAURABH RATHORE