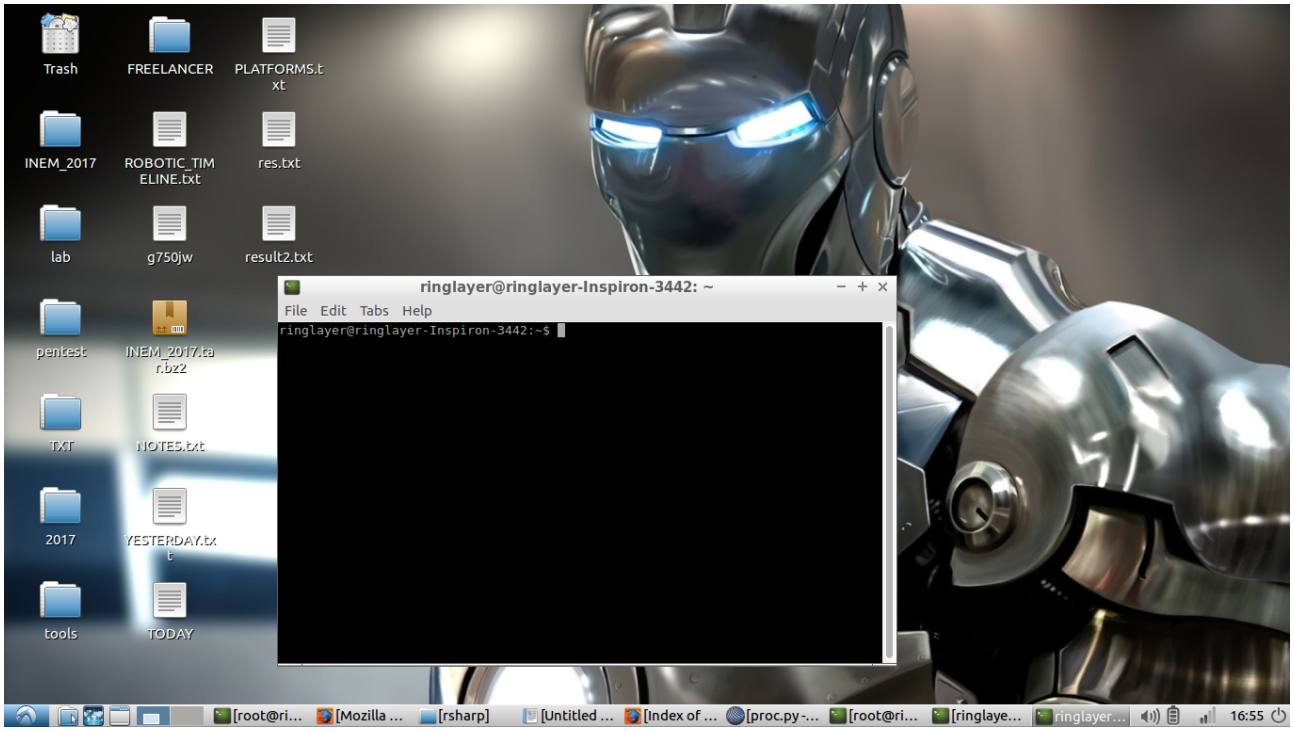
Rsharp – A Linux Command Line Tool to Analyze Image Sharpness

Installation

Open linux terminal :



Download rsharp from ringlayer.net

http://ringlayer.net/repo/rsharp.tar.bz2

From linux terminal, type:

wget -c ringlayer.net/repo/rsharp.tar.bz2

```
ringlayer@ringlayer-Inspiron-3442:~$ wget -c ringlayer.net/repo/rsharp.tar.bz2
--2017-05-17 16:56:18--  http://ringlayer.net/repo/rsharp.tar.bz2
Resolving ringlayer.net (ringlayer.net)... 162.211.64.22
Connecting to ringlayer.net (ringlayer.net)|162.211.64.22|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 507398 (496K) [application/octet-stream]
Saving to: ‘rsharp.tar.bz2’

rsharp.tar.bz2      100%[===================>] 495,51K   167KB/s    in 3,0s

2017-05-17 16:56:22 (167 KB/s) - ‘rsharp.tar.bz2’ saved [507398/507398]
```

Then extract rsharp.tar.bz2 :

tar jxvf rsharp.tar.bz2

```
ringlayer@ringlayer-Inspiron-3442:~$ tar jxvf rsharp.tar.bz2
rsharp/
rsharp/samples/
rsharp/samples/index1.jpg
rsharp/samples/index2.jpg
rsharp/samples/dark2.jpg
rsharp/samples/index8.jpg
rsharp/samples/index19.jpg
rsharp/samples/index11.jpg
rsharp/samples/index18.jpg
rsharp/samples/index3.jpg
rsharp/samples/index10.jpg
rsharp/samples/index14.jpg
rsharp/samples/index9.jpg
rsharp/samples/index1_part2.jpg
rsharp/samples/index6.jpg
rsharp/samples/day1night.jpg
rsharp/samples/index.jpg
rsharp/samples/index7.jpg
rsharp/samples/index5.jpg
rsharp/samples/index16.jpg
```

rsharp/samples/index4.jpg
rsharp/samples/index12.jpg
rsharp/samples/dark1.png
rsharp/samples/index13.jpg
rsharp/samples/index17.jpg
rsharp/config.pyc
rsharp/installer.sh
rsharp/config.py
rsharp/rsharp.py
ringlayer@ringlayer-Inspiron-3442:~$

Once extracted, cd to directory rsharp by typing :

cd rsharp

ringlayer@ringlayer-Inspiron-3442:~$ cd rsharp
ringlayer@ringlayer-Inspiron-3442:~/rsharp$ ls
config.py config.pyc installer.sh rsharp.py samples
ringlayer@ringlayer-Inspiron-3442:~/rsharp$

in rsharp directory there are 4 files and 1 directory, next we have to su root or sudo in order to install, type:
chmod +x *.sh
chmod +x *.py
su root

then type your root password

then to install all requirements, just type:

./installer.sh

or you can use sudo:
chmod +x *.sh
chmod +x *.py
sudo ./installer.sh

then type your password.

Once requirements installed, rsharp is ready to run, to test rsharp on our sample images.

$ ls samples
dark1.png index12.jpg index18.jpg index3.jpg index8.jpg
dark2.jpg index13.jpg index19.jpg index4.jpg index9.jpg
day1night.jpg index14.jpg index1.jpg index5.jpg index.jpg
index10.jpg index16.jpg index1_part2.jpg index6.jpg
index11.jpg index17.jpg index2.jpg index7.jpg

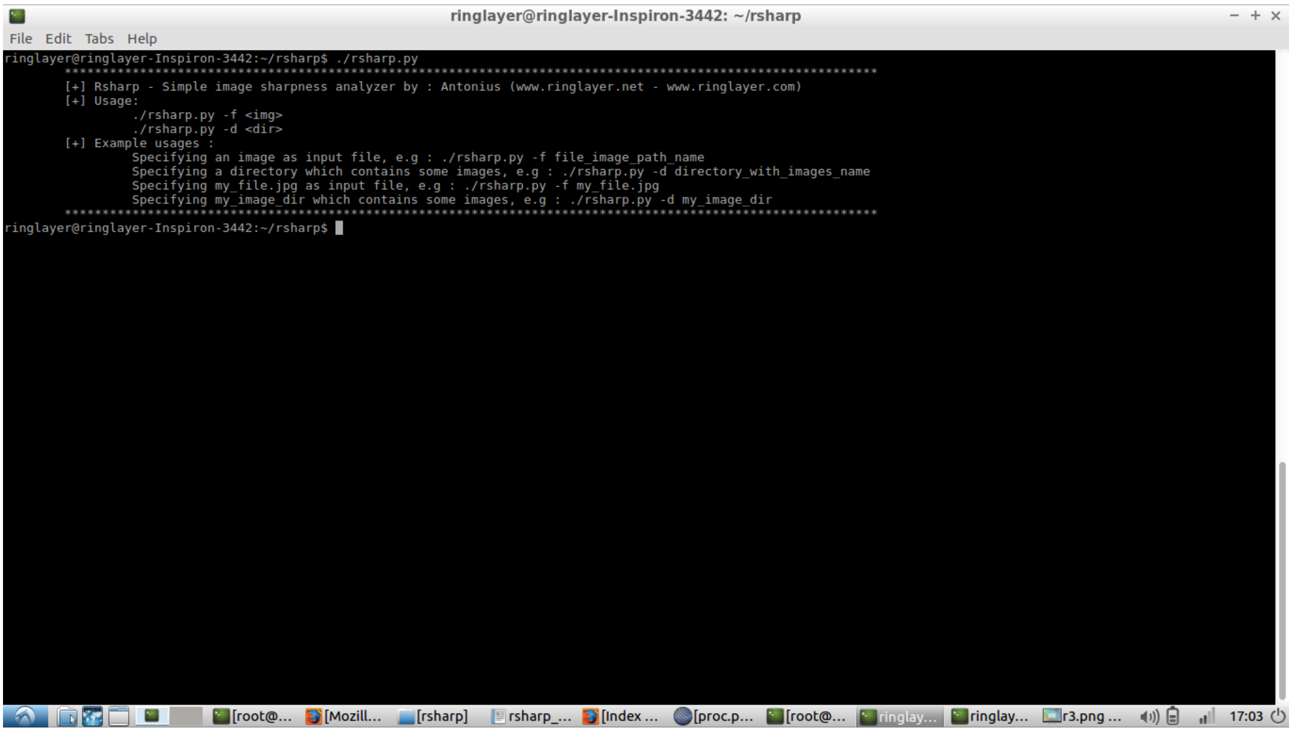
on sample images there are many images to test.

To run rsharp, maximize our terminal, then type :

./rsharp.py

or :

python rsharp.py



$ ./rsharp.py

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[+] Rsharp - Simple image sharpness analyzer by : Antonius (www.ringlayer.net - www.ringlayer.com)
[+] Usage:
./rsharp.py -f <img>
./rsharp.py -d <dir>
[+] Example usages :
Specifying an image as input file, e.g : ./rsharp.py -f file_image_path_name
Specifying a directory which contains some images, e.g : ./rsharp.py -d directory_with_images_name
Specifying my_file.jpg as input file, e.g : ./rsharp.py -f my_file.jpg
Specifying my_image_dir which contains some images, e.g : ./rsharp.py -d my_image_dir

****
ringlayer@ringlayer-Inspiron-3442:~/rsharp$

So using rsharp is easy, e.g we want to supply image as input:

./rsharp.py -f any_image.jpg

When we have a directory which contains many images, we can easily use rsharp to get the directory name as input by using option -d :

./rsharp.py -d our_images_directory

In case any confusion or you need more help, just contact ringlayer