

Ubuntu 20.04 Java Jar Scaling On 4k Screen

Revised 2022-02-28

<https://github.com/blurpy/kouchat/issues/33#issuecomment-1054489626>

https://wiki.archlinux.org/title/HiDPI#Java_applications

```
mark@Yoga-Mark: ~  
File Edit View Search Terminal Help  
11030 root 20 0 0 0 0 I 0.3 0.0 0:02.41 kworker/u16:3-i915  
11348 root 0 -20 0 0 0 I 0.3 0.0 0:04.06 kworker/u17:1-hci0  
1 root 20 0 168420 12252 8320 S 0.0 0.1 0:02.39 systemd  
2 root 20 0 0 0 0 S 0.0 0.0 0:00.01 kthreadd  
3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_gp  
4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_par_gp  
6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 kworker/0:0H-events_highpri  
mark@Yoga-Mark:~$ htop  
Command 'htop' not found, but can be installed with:  
  
sudo snap install htop # version 3.1.2, or  
sudo apt install htop # version 2.2.0-2build1  
  
See 'snap info htop' for additional versions.  
mark@Yoga-Mark:~$ sudo snap install htop  
[sudo] password for mark:  
htop 3.1.2 from Maximiliano Bertacchini (maxiberta) installed  
mark@Yoga-Mark:~$ htop  
locales-launch: Data of en_US locale not found, generating, please wait...  
mark@Yoga-Mark:~$ java -Dsun.java2d.uiScale=300% -jar /home/mark/Downloads/Software-Java/kouchat-1.3.0.jar  
KouChat v1.3.0  
By Christian Ihle - contact@kouchat.net - http://www.kouchat.net/  
Use --help for more information  
Feb 28, 2022 3:39:18 PM net.usikkert.kouchat.settings.PropertyFileSettingsLoader loadSettings  
WARNING: Could not find /home/mark/.kouchat/kouchat.ini, using default settings.  
Loading Swing User Interface
```

JAR Running without scaling adjustment
On a 4k Screen, Ubuntu 20.04

```
mark@Yoga-Mark: ~  
File Edit View Search Terminal Help  
12  
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mark  
Comm  
sudo  
sudo  
See  
mark  
[sud  
htop  
mark  
locales-launch: Data of en_US locale not found, generating, please wait...  
mark@Yoga-Mark:~$ java -Dsun.java2d.uiScale=300% -jar /home/mark/Downloads/Software-Java/kouchat-1.3.0.jar  
KouChat v1.3.0  
By Christian Ihle - contact@kouchat.net - http://www.kouchat.net/  
Use --help for more information  
Feb 28, 2022 3:18:18 PM net.usikkert.kouchat.settings.PropertyFileSettingsLoader loadSettings  
WARNING: Could not find /home/mark/.kouchat/kouchat.ini, using default settings.  
Loading Swing User Interface
```

```
mark@Yoga-Mark: ~  
File Edit View Search Terminal Help  
4035 mark 20 0 16.7g 234940 134968 S 0.3 1.5 1:30.48 opera  
4137 mark 20 0 16.6g 121804 84132 S 0.3 0.8 0:32.76 opera  
4978 mark 20 0 16.6g 120772 78788 S 0.3 0.8 0:04.90 vivaldi-bin  
5005 mark 20 0 28.4g 171596 107328 S 0.3 1.1 0:10.24 vivaldi-bin  
5499 mark 20 0 28.5g 319712 99008 S 0.3 2.0 0:39.30 brave  
5642 mark 20 0 24.5g 148340 94348 S 0.3 0.9 0:15.44 brave  
6507 mark 20 0 1024200 65588 42588 S 0.3 0.4 0:28.08 blueman-manager  
6519 mark 20 0 1006576 45916 35628 S 0.3 0.3 0:23.75 mate-volume-con  
7396 root 20 0 0 0 0 I 0.3 0.0 0:01.88 kworker/2:2-events  
11030 root 20 0 0 0 0 I 0.3 0.0 0:02.41 kworker/u16:3-i915  
11348 root 0 -20 0 0 0 I 0.3 0.0 0:04.06 kworker/u17:1-hci0  
mark  
Comm  
sudo  
sudo  
See  
mark  
[sud  
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mark  
locales-launch: Data of en_US locale not found, generating, please wait...  
mark@Yoga-Mark:~$ java -Dsun.java2d.uiScale=200% -jar /home/mark/Downloads/Software-Java/kouchat-1.3.0.jar  
KouChat v1.3.0  
By Christian Ihle - contact@kouchat.net - http://www.kouchat.net/  
Use --help for more information  
Feb 28, 2022 3:24:09 PM net.usikkert.kouchat.settings.PropertyFileSettingsLoader loadSettings  
WARNING: Could not find /home/mark/.kouchat/kouchat.ini, using default settings.  
Loading Swing User Interface
```