







```
root@kali:~# `sar -S` | `free -h`
```

```
##
```

```
###
```

```
1. **
```

- 15GB
- 15G ( 12G buffers/cache 3G)
- 165MB ( 1%)
- 2.2GB

```
2. **
```

- 4GB
- 0B ( )
- 0% ( )

```
###
```

```
1. **
```

- 98%+ \*\* swap\*\*
- ( 2.2GB/15G=14.6%)
- `-/+ buffers/cache` 12GB

```
2. **
```

- `vm.swappiness` 0( swap)
- (mlock)
- 

```
###
```

```
```bash
```

```
# swappiness
```

```
cat /proc/sys/vm/swappiness
```

```
# mlock
```

```
grep -i mlock /var/log/syslog*
```

```
#
```

```
sudo pmap -x $(pgrep -d, -f " ") | grep -i mlock
```

```
```
```

```
###
```

```
####
```

```
1. **OOM**
```

- swap OOM killer
-



