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Evaluate Disk Usage on Linux Plesk Server

The following commands will assist you in evaluating your disk usage on a Linux Server with Plesk.

- Get overview of available and used space

```
df -h
```

```
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda3        21G   12G   8.2G   59% /
/dev/sda1         99M    15M   80M    16% /boot
tmpfs            1014M    0 1014M    0% /dev/shm
```

On this server the primary partition /dev/sda3 is using 12Gb out of the 21Gb allocation

- Get a break-down of each root level folders usage

```
du -hs /*
```

```
16K    /ChangeLog.txt
28K    /LICENSE
8.0K   /README
0      /aquota.group
0      /aquota.user
6.1M   /bin
8.9M   /boot
60K    /class.phpmailer.php
12K    /class.pop3.php
36K    /class.smtp.php
12K    /codeworxtech.html
64K    /dev
154M   /etc
12K    /home
110M   /lib
16K    /lost+found
8.0K   /media
12K    /mnt
1.1M   /opt
1.1M   /phpmailer
0      /proc
2.6G   /root
24M    /sbin
8.0K   /selinux
8.0K   /srv
0      /sys
4.0M   /tmp
2.1G   /usr
6.6G   /var
```

- Show top 5 root level folders by disk usage

```
du -sm /* | sort -rn | head -n 5
```

```
6675   /var
2658   /root
2073   /usr
154    /etc
110    /lib
```

On this server /var /root and /usr combine to about 11Gb

You will generally find a majority of disk space that can be freed up in logs.

- Find Site Logs Over 10Mb

```
find /var/www/vhosts/*/statistics/logs/* -size +10M -exec ls -lh {} \; | awk '{print $5 , $9}'
```

```

408M /var/www/vhosts/ /statistics/logs/access_log.processed
172M /var/www/vhosts/ /statistics/logs/error_log
124M /var/www/vhosts/ istics/logs/access_log.processed
25M /var/www/vhosts/ tistics/logs/access_log.processed
12M /var/www/vhosts/ tistics/logs/error_log
1023M /var/www/vhosts/ tatistics/logs/access_log.processed
205M /var/www/vhosts/ atistics/logs/error_log
79M /var/www/vhosts/ tistics/logs/error_log.1.gz
58M /var/www/vhosts/ /statistics/logs/access_log.processed
56M /var/www/vhosts/ /statistics/logs/error_log
51M /var/www/vhosts/ statistics/logs/access_log.processed

```

Image Truncated for Fitment

On this server we have found just over 2Gb of site logs.

- Delete Site Logs Over 10Mb

```
find /var/www/vhosts/*/statistics/logs/* -size +10M -exec rm -f {} \;
```

- Find Server Logs Over 10Mb

```
find /var/log/* -size +10M -exec ls -lh {} \; | awk '{print $5 , $9}'
```

```
532M /var/log/btmp
```

On this server we have found a single log /var/log/btmp that is 532Mb.

- Delete Server Logs Over 10Mb

```
find /var/log/* -size +10M -exec rm -f {} \;
```

- Find Mail Logs Over 10Mb

```
find /usr/local/psa/var/log/* -size +10M -exec ls -lh {} \; | awk '{print $5 , $9}'
```

```
68M /usr/local/psa/var/log/maillog
51M /usr/local/psa/var/log/maillog.gz
```

On this server we have found just over 120Mb of mail logs.

- Delete Mail Logs Over 10Mb

```
find /usr/local/psa/var/log/* -size +10M -exec rm -f {} \;
```

- Show disk usage for each site

```
du -sm /var/www/vhosts/*/httpdocs | sort -rn
```

```

1732 /var/www/vhosts/ /httpdocs
111 /var/www/vhosts/ /httpdocs
73 /var/www/vhosts/ /httpdocs
25 /var/www/vhosts/ /httpdocs
3 /var/www/vhosts/ /httpdocs
1 /var/www/vhosts/ /httpdocs
1 /var/www/vhosts/ /httpdocs
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1 /var/www/vhosts/ /httpdocs
1 /var/www/vhosts/ /httpdocs

```

This server is hosting just under 2Gb of non-secure site content.

- On this server we have managed to free just over 2.5Gb

```
df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/sda3	21G	9.3G	11G	48%	/
/dev/sda1	99M	15M	80M	16%	/boot
tmpfs	1014M	0	1014M	0%	/dev/shm

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