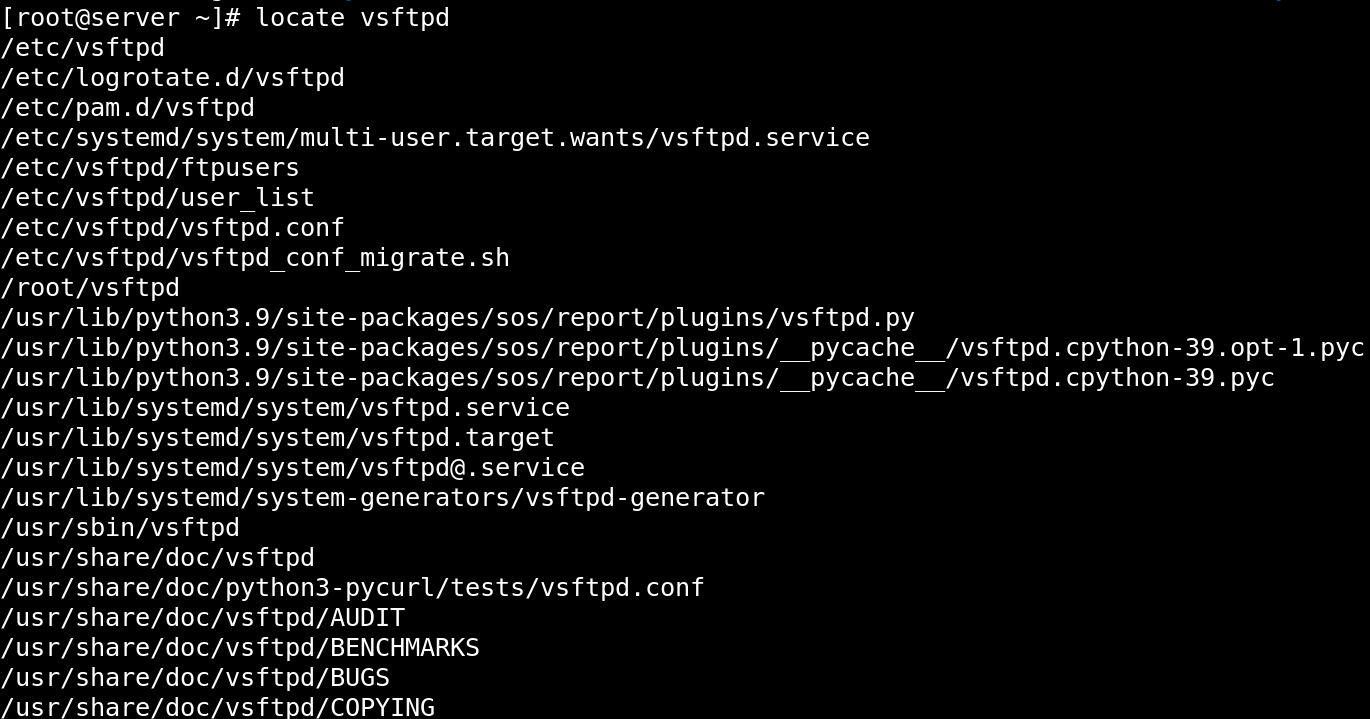
**FIND & LOCATE**

**LOCATE:**

* Linux is a powerful utility that allows users to search for files and directories based on their names.
* It is much faster than manually searching for files using the find command as it searches an index database instead of the file system.

**Syntax:**

* locate <dir name>
* locate <file name>

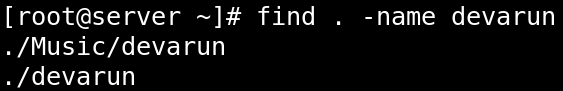


**FILES:**

**Find Files Using Name in Current Directory:**

**Syntax:**

* find . -name devarun



**Find Files Under Home Directory:**

**Syntax:**

* find /home -name



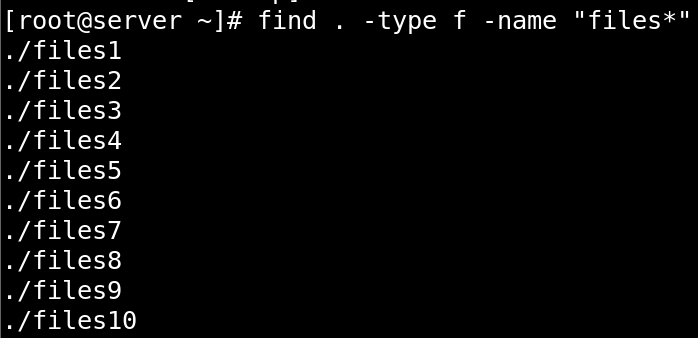
**Find Directories Using Name:**

* find / -type d -name dev



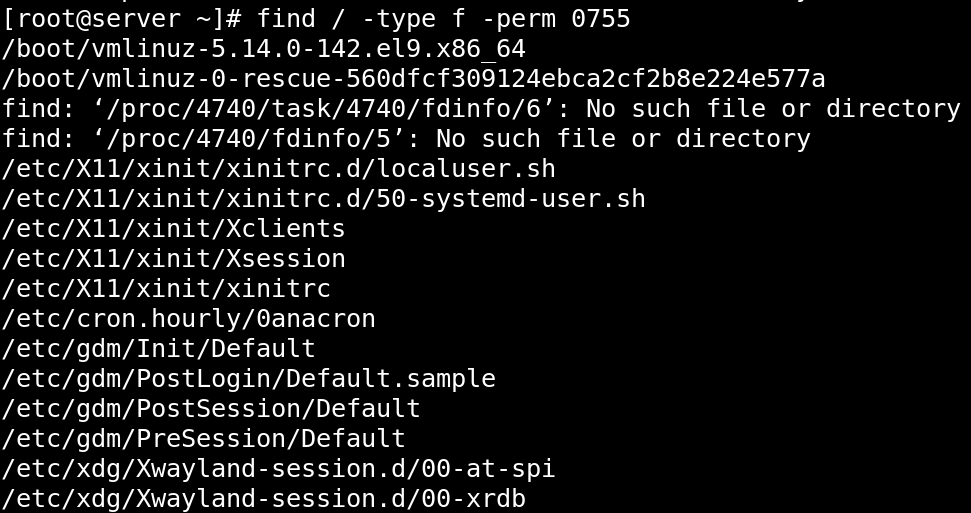
**Find all same type of Files names in the Current Directory:**

* find . -type f -name “files\*”



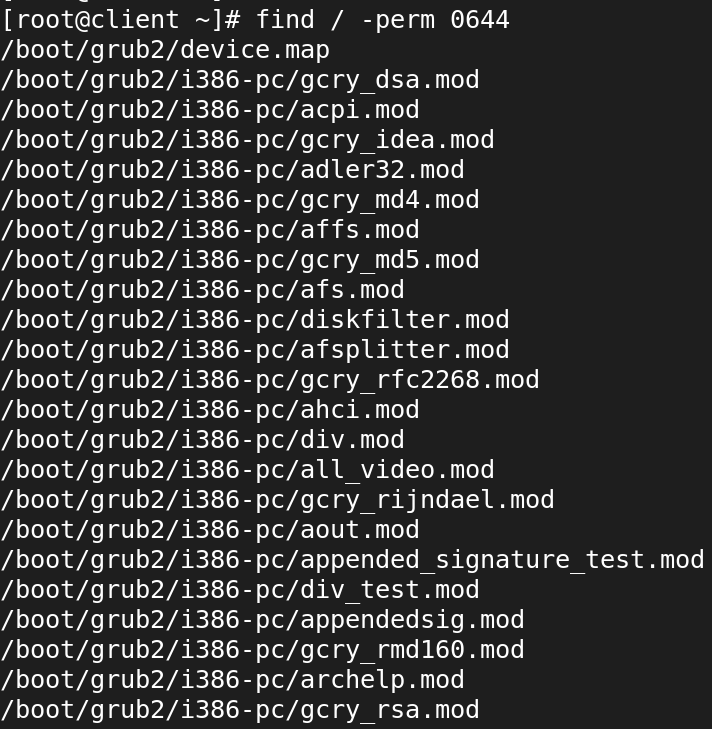
**Find Files With 755 Permissions:**

* find / -type f -perm 0755



**Find SGID Files with 644 Permissions:**

* find / -perm 0644



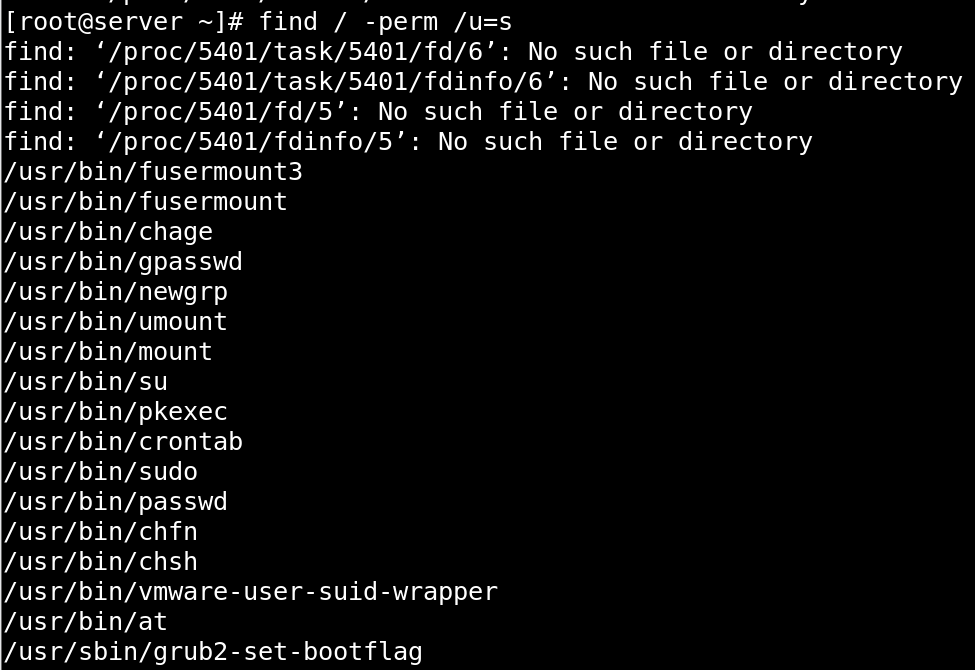
**Find Sticky Bit Files with 551 Permissions:**

* find / -perm 1551



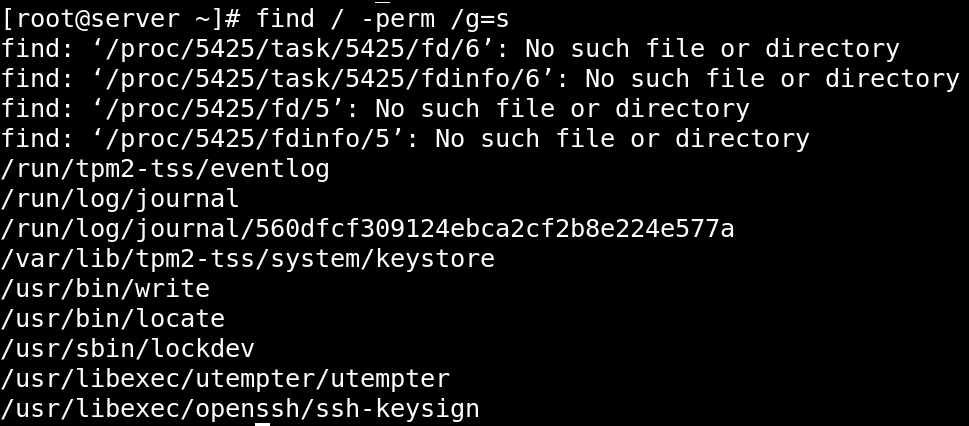
**Find SUID Files:**

* find / -perm /u=s



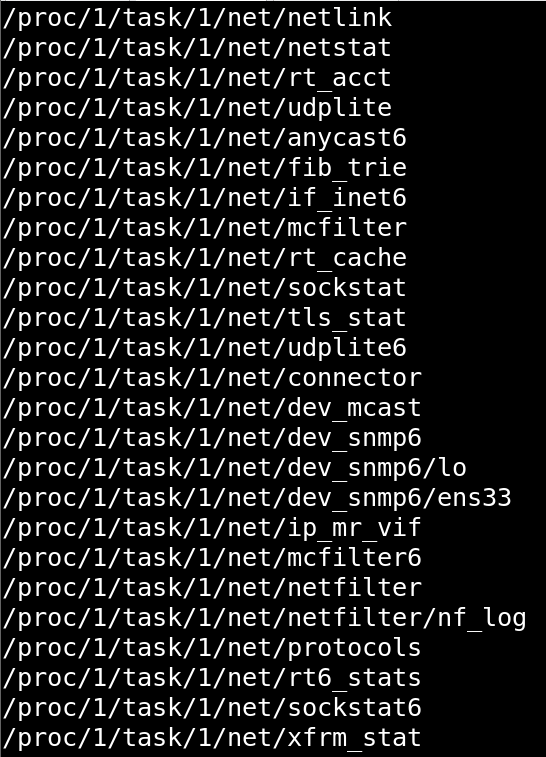
**Find SGID Files:**

* find / -perm /g=s



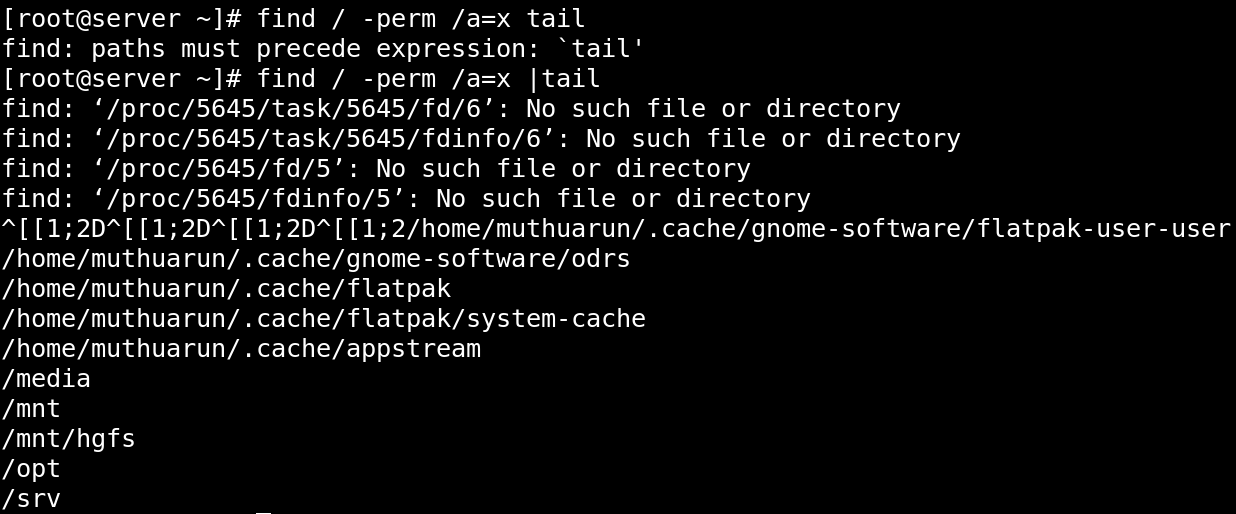
**Find Read-Only Files:**

* find / -perm /u=r



**Find Executable Files:**

* find / -perm /a=x

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**Find Files with 777 Permissions and Chmod to 644:**

* find / -type f -perm 0777 -print -exec chmod 644 {} \;



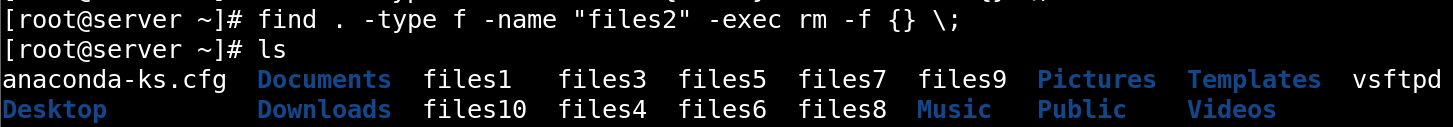
**Find Directories with 777 Permissions and Chmod to 755:**

* find / -type d -perm 777 -print -exec chmod 755 {} \;



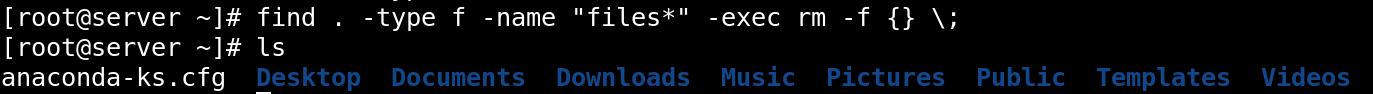
**Find and remove single File:**

* find . -type f -name "tecmint.txt" -exec rm -f {} \;



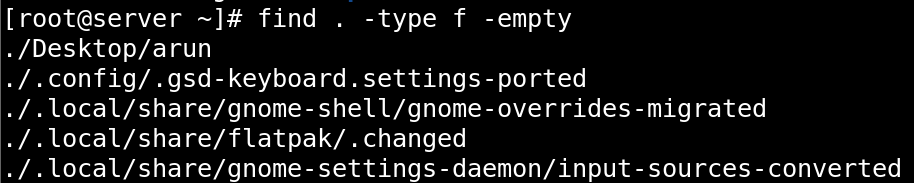
**Find and remove Multiple File**:

* find . -type f -name "\*.txt" -exec rm -f {} \;



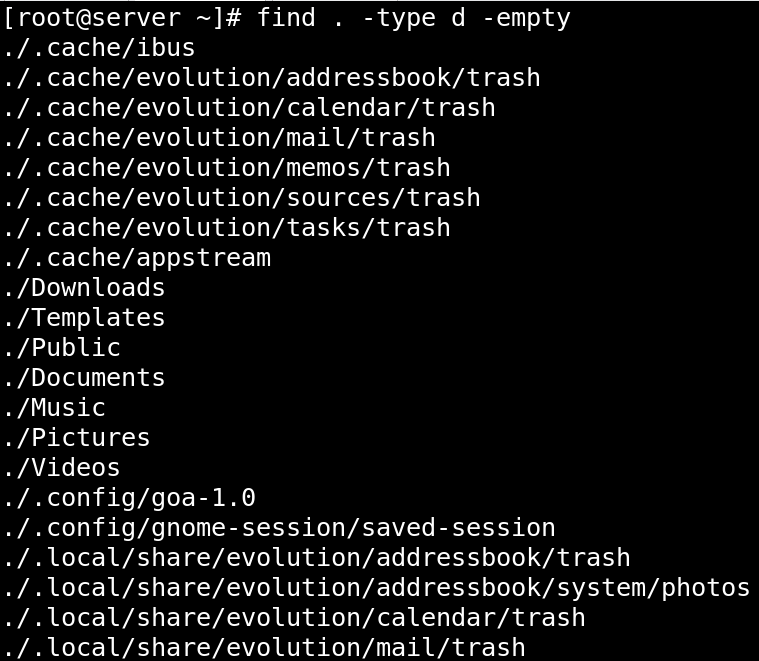
**Find all Empty Files:**

* find . -type f -empty



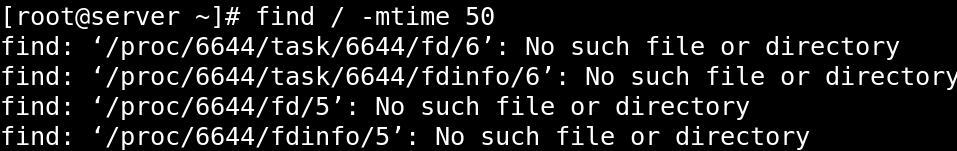
**Find all Empty Directories:**

* find . -type d -empty



**Find Last 50 Days Modified Files:**

* find / -mtime 50



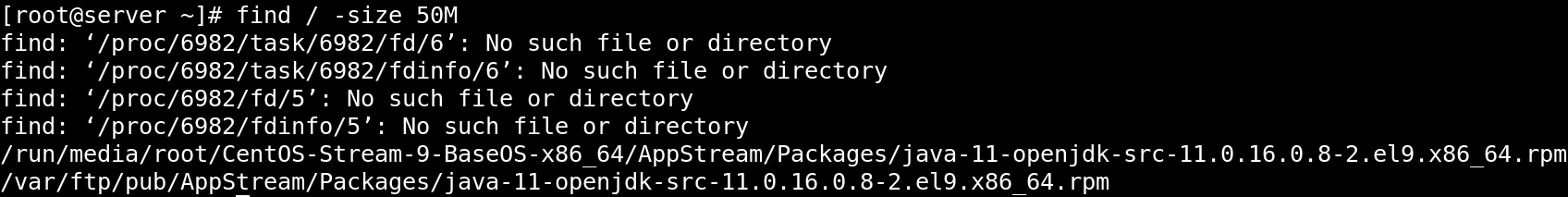
**Find Changed Files in Last 1 Hour:**

* find / -cmin -60



**Find 50MB Files:**

* find / -size 50M



**Find and Delete 100MB Files:**

* find / -type f -size +100M -exec rm -f {} \;

