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Linux / UNIX Find All World-Writable Directories Have Sticky Bits Set

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How do I find out all world writable directories have sticky bits set under CentOS Linux server?

If sticky bit is set on a directory, only the owner of a given file may remove that file from the directory. Without the sticky bit, any user with write access to a directory may remove any file in the directory. Setting the sticky bit prevents users from removing each other's files. /tmp directory always set with stick bit on.



[1]

You can easily locate all directories which are world-writable and do not have their sticky bits set. The following command will discover and print these for /webroot directory:

```
# find /webroot -xdev -type d \( -perm -0002 -a ! -perm -1000 \) -print
```

If above command produces any output, fix each reported directory /dir using the chmod command (be careful with the following command):

```
# find /webroot -xdev -type d \( -perm -0002 -a ! -perm -1000 \) -print0 | xargs -0 chmod +t
```

OR better solution is review each directory and set permission as per requirements:

```
# chmod +t /path/to/dir
```

Personally, I prefer to remove permission from all such directories except required directories such as /tmp. Also some application requires world writable directories. So, if a directory is used by a particular application, consult that application's documentation instead of blindly changing modes using xargs.

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