

Linux Commands

Liftians Inc. v0.1



LIFTIANS

Useful Linux commands

Windows terminal “pscp” a file from local windows machine to a Linux box:

```
C:\Users\nickb>pscp PgyEnterprise_Ubuntu_1.0.0_x86_64.deb liftians@10.0.0.205:/home/liftians
```

```
pscp net6.0-windows.zip liftians@CustomerAdev.liftians.com:/home/liftians
```

```
pscp LIFTIANS-WMS-Galaxy-1.0.2_202207070041.jar liftians@sd1.liftians.com:/home/wms
```

```
LIFTIANS-WMS-Galaxy-1.0.2_202207070041.jar
```

```
pscp botcoordinator-6.8-assembly_0920.zip liftians@192.168.1.2:/home/liftians/App_current
```

Run / Install a .deb file:

```
sudo dpkg -i debfilename
```

Remove / Delete .deb file

```
sudo dpkg --remove debfilename
```

SCP from current server TO another server:

```
scp botcoordinator-20220711-1.zip liftians@sd2.liftians.com:/home/liftians/App_current/hollywoodfeed
```

SCP a file from Linux server to local windows machine (using windows terminal):

```
scp liftians@SD1.liftians.com:/home/liftians/Downloads/StationUI20220809.zip
```

```
C:\Users\nickb\Desktop\
```

```
scp liftians@192.168.1.20:/home/liftians/Downloads/DeliveryPrint.jpg C:\Users\nickb\Desktop\
```

SCP a file from Linux server to another Linux server

- `scp liftians@SD1.liftians.com:/home/liftians/wms/LatestVersion/LIFTIANS-WMS-Galaxy-1.0_0516160207.jar /home/liftians/wms/LatestVersion`
- `scp liftians@SD1.liftians.com:/home/liftians/wms/LatestVersion.tar.gz /home/liftians/wms`
- `scp liftians@SD1.liftians.com:/home/liftians/App_current/hollywoodfeed/botcoordinator-6.8-assembly.tar.gz /home/liftians/App_current/hollywoodfeed`
- `scp liftians@SD1.liftians.com:/home/liftians/wms/LatestVersion.tar.gz /home/liftians/wms`
- `scp liftians@sd1.liftians.com:/home/liftians/Downloads/stationUI20220704.zip /home/liftians/Downloads`

Edit Neofetch config:

```
sudo nano /.config/neofetch/config.conf
```

Edit startup banner message:

```
/etc/update-motd.d
```

- The location of motd banner messages (there are files numbered in order 01-, 02-, 03- etc.)

Use ansiweather to display weather at a location

```
ansiweather -1 5429522 -u imperial -p false    (this is Louisville, CO weather)
```

Secure file copy “scp” a file from a remote linux box to current one

```
scp liftians@sd1.liftians.com:/home/liftians/botcoordinator-6.8-assembly.tar.gz /home/liftians
```

```
scp liftians@sd1.liftians.com:/home/liftians/wms_v3_CustomerA_20220526.sql /home/liftians/wms
```

```
scp liftians@sd1.liftians.com:/home/liftians/wms/LatestVersion/LIFTIANS-WMS-Galaxy-1.0_0526002940.jar /home/liftians/wms/LatestVersion
```

```
scp liftians@su1.liftians.com:/home/liftians/Downloads/CustomerAmap_20220920.sql /home/liftians/Downloads
```

```
scp liftians@su1.liftians.com:/home/liftians/Downloads/Liftman_20220930.sql /home/liftians/Downloads
```

Unzip .tar.gz files:

```
tar -xf archive.tar.gz
```

Unzip a .zip to a directory:

```
unzip botcoordinator.zip
```

Create .tar.gz of a directory:

```
tar -czvf latestversion_hwfprod.tar.gz LatestVersion/
```

Copy a file to another directory:

```
cp file.txt ~/App_current/CustomerA/20221129/botcoordinator-6.8/conf
```

Remove a directory:

```
rm -rf directory/
```

Backup a database (Liftman_CustomerA_Dev) from command line:

```
mysqldump --routines -u liftians -p --no-tablespaces -y Liftman_CustomerA_Dev > ~Downloads/Liftman_CustomerA_Dev_20230120.sql
```

Backup a database (Liftman_Assembly) from command line:

```
mysqldump --routines -u liftians -p --no-tablespaces -y Liftman_Assembly > Liftman_20220311.sql
```

```
mysqldump --routines -u liftians -p --no-tablespaces -y Liftman_HollywoodFeed_POC > LiftmanHWF_20220728.sql
```

```
mysqldump --routines -u liftians -p --no-tablespaces -y wms_v3_hollywoodfeed > wms_v3_hollywoodfeed_20220805.sql
```

```
mysqldump --routines -u liftians -p --no-tablespaces -y Liftman_CustomerA > Liftman_20220930.sql
```

Backup a single table in a database:

```
mysqldump --routines -u liftians -p --no-tablespaces -y Liftman_CustomerA InitWarehouseMap > CustomerAmap_20220920.sql
```

Restore a single table in a database:

```
mysql --no-defaults -u liftians -p Liftman_CustomerA_test < CustomerAmap_20220920.sql
```

Restore a backed-up database (Liftman_Assembly) from command line:

```
mysql -u liftians -p Liftman_Assembly < Liftman_20220310.sql
```

```
mysql -u liftians -p Liftman_HollywoodFeed_POC < LiftmanHWF_20220728.sql
```

```
mysql -u liftians -p wms_v3_hollywoodfeed < wms_v3_hollywoodfeed_20220805.sql
```

```
mysql -u liftians -p Liftman_CustomerA_test < Liftman_20220930.sql
```

How to fix the “mysqldump: liftians has insufficient privileges to SHOW CREATE FUNCTION `F_AssignDeliveryItems`!” error when backing up database:**To fix the MySQL error when importing a database:**

```
1418 (HY000) at line 10185: This function has none of DETERMINISTIC, NO SQL, or READS SQL DATA in its declaration and binary logging is enabled (you *might* want to use the less safe log_bin_trust_function_creators variable)
```

- **There are two ways to fix this, execute the following in the MySQL console:**
 - SET GLOBAL log_bin_trust_function_creators = 1;
- **Add the following to the mysql.ini (my.cnf) configuration file (in /etc/mysql):**
 - log_bin_trust_function_creators = 1;

Check running processes:

```
ps aux          by user:  ps -U root -u root u
```

Check for just ‘java’ running processes

```
ps -fC java
```

Check path of running process by PID

```
pwdx PID
```

Check IP addresses:

```
ifconfig
```

```
ip a
```

Stop, Start and Restart Services:

Check service status	<code>sudo systemctl status <ServiceName></code>
Stop a service	<code>sudo systemctl stop <ServiceName></code>
Start a service	<code>sudo systemctl start <ServiceName></code>
Restart a service	<code>sudo systemctl restart <ServiceName></code>

Find top n largest file/directories:

`du -a /var | sort -n -r | head -n 10`

`du -hs * | sort -rh | head -5` (shows in GB current directory)

Count the number of files in current directory:

`ls | wc -l`

Show files in directory and sort by date:

`ls -lsct`

API Endpoint Testing

DEPOSCO Liftians API Endpoint: <http://sd2.liftians.com:8083/wms>

CustomerA Liftians API Endpoint: <http://sd1.liftians.com:8082/wms>

Start / Stop Liftians WMS

```
nohup java -jar LIFTIANS-WMS-Galaxy-1.0.2_202303081520.jar --app.env=dev &
nohup java -jar LIFTIANS-WMS-Galaxy-1.0.2_202303230424.jar --app.env=dev &
nohup java -jar LIFTIANS-WMS-Galaxy-1.0.2_202303101314.jar --app.env=dev &
tail -f nohup.out
```

Start / Stop Liftians AUTO_TEST (not working?)

```
nohup java -jar robot-1.0.jar --app.env=dev
nohup java -jar robot-1.1.jar --app.env=dev &
tail -f nohup.out
```

to stop you need to: `kill -9 pid` *where pid is the process number of the wms*

Start / Stop Botservice

Start: `./startup.sh` Stop: `./stop_botcoordinator.sh`

Start eTag

```
java -jar LIFTIANS_ETAG.jar
```

or

```
nohup java -jar LIFTIANS_ETAG.jar --app.env=dev
```

or

```
nohup java -jar LIFTIANS_ETAG.jar &
```

Show and sort files by date:

```
ls -lsct
```

