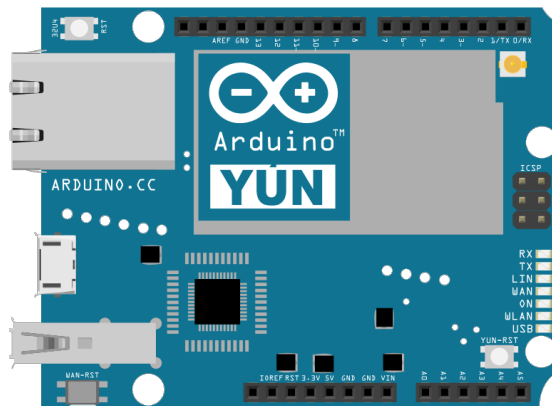# UTILITY GUIDE

Platalytics Inc.
Internet of Things (IoT)

MEMORY EXPANSION

STEP 1 (SETUP)

- Insert SD card into Arduino and make sure it is FAT32 formatted already.
- Ssh into Arduino and check where device is mounted i.e. `/dev/sda1`
- Unplug SD card and run

  ```
  ls -l /dev/
  ```

- Plug SD card and run same shell command again and see what id has been assigned to SD card i.e. `/dev/sda`**X** (here **X** is id assigned to SD card)

STEP 2 (MAKE CHANGES)

- Open `YunDiskSpaceExpander.ino` in zip archive inside SDK
- Make sure inside function `haltIfSDCardIsNotPresent()`, it is checking for the same device id in second statement

  ```
  int exitCode = ls.runShellCommand("ls /mnt/sdaX");
  ```

- Upload the sketch into Arduino

STEP 3 (FOLLOW STEPS IN SERIAL MONITOR)

Follow the steps in serial monitor (make sure its selected NewLine in serial monitor input specification). Partition your card accordingly.

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