

## Micro SD card update process

Micro SD card can be used to update the AP firmware even if there is no firmware running on it.

**NOTE:** SD card update will erase all the configuration that has been downloaded to the board and all the audit trails saved in the NAND flash.

### Process:

1. Format a micro SD card (at least 200MB) with FAT32 file system.
2. Unzip 'sd-update.zip' AP build to the micro SD card.
3. Power off the board and plug in the micro SD card.
4. Power up the AP while holding the RESET button (in the middle of the board) pressed.  
RESET button can be released 3 seconds after power is supplied to the board.
5. After a couple of seconds, both GREEN and RED LEDs on the board will be blinking at a rate of 0.5Hz.
6. If everything is ok, the update process should be finished within 2 minutes (may be less than 2 minutes). The RED LED will be turned off, and GREEN LED stays solid on.
  - a. If you didn't see the GREEN/RED blinking followed by a stable GREEN, it means that the update process has failed. Retry from step 4, usually it will succeed.
  - b. If the AP does not connect to Host, remove SD card and power cycle the AP. When RED LED comes on AP should be discoverable from Host.

### Supported SD cards

MicroSDHC cards with 2, 4 or 32 GB formatted as FAT32 is tested. It is possible to use also 64GB card but this requires that the card is formatted as FAT32. (The exFAT will not work).

