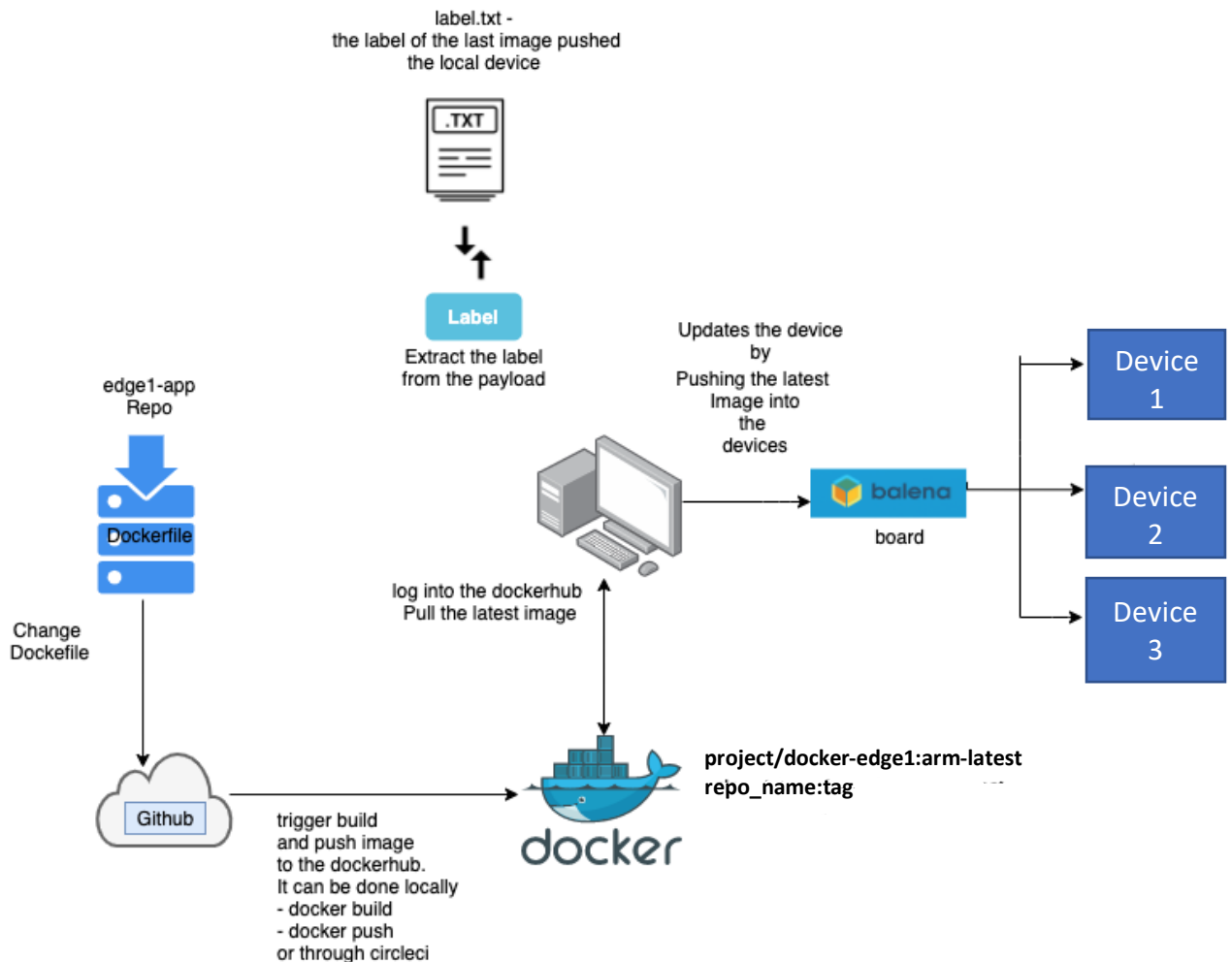


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Automated Deployment
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Module: dockerimage.py



Description of module dockerimage.py:

The goal was to make deployment (the act of pulling images into the local devices) as automated as possible. In this code, I have defined a local server that periodically (using cron job) logs into the dockerhub and pull image with

the latest tag and update the local devices by deploying the image into the Balena board and finally, pushing the image into the local devices.

1. Periodically, log in to the dockerhub
2. Pull the image with the latest tag
3. Extract the label of the image created in build time using – label flag
4. Compare this label with the content of label.txt which has the label of the latest image pushed to the local device
5. Push the image if labels are different
6. After verifying the push was successfully done, replace the new label with the old label in label.txt