Internal Beta Testing

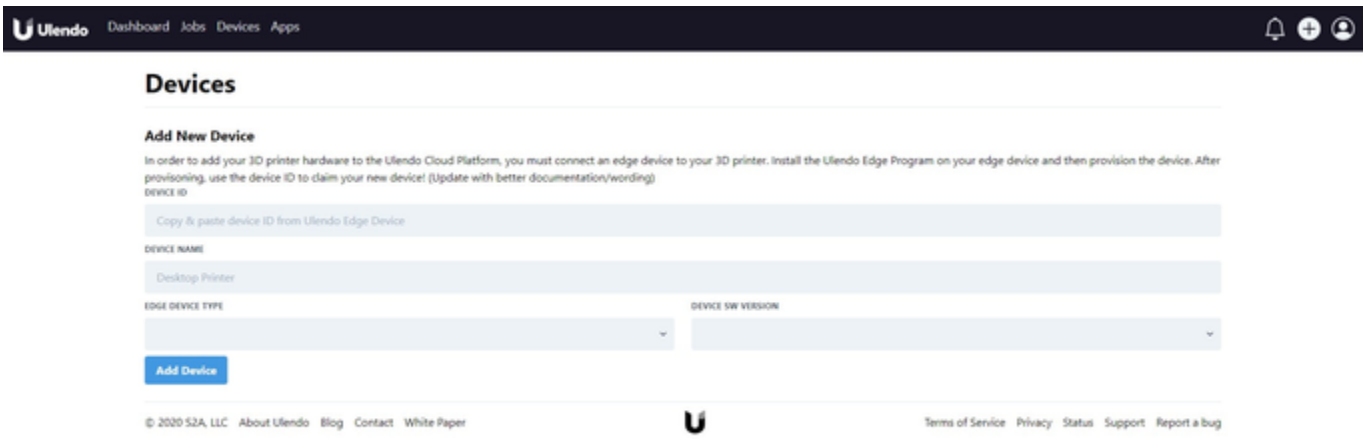
> This page covers instructions for the Internal Beta test amongst S2A lab members. These instructions will be updated for a wider beta test.

Prerequisites

- Have a Raspberry Pi running Rasbian OS
- Have a 3D printer running modified Marlin firmware found on Ulendo website

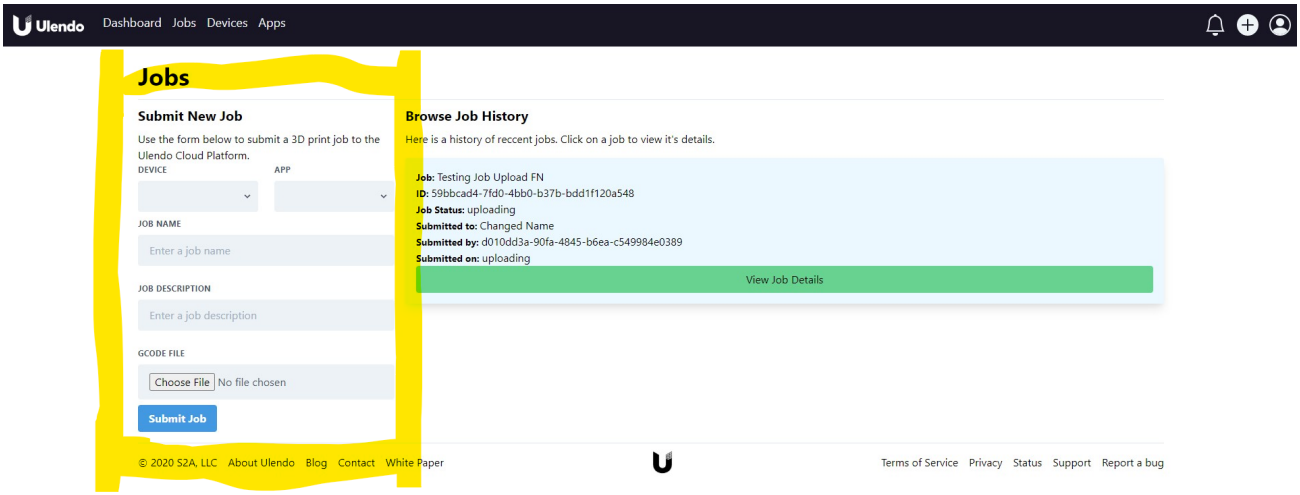
Setting up your 3D printer with Ulendo Cloud Platform

1. Go to the https://ulendo-cloud.netlify.app and create an account for the **Ulendo Cloud Platform** if you do not already have one.
2. On your Raspberry Pi, log into the Ulendo Cloud Platform and navigate to the Devices page (or click the plus icon on the top right) and select **add a new device**.
3. Follow the instructions on the page to download the software onto your Raspberry Pi. Place it in the **/home/pi/** directory
4. Once you download the software, run the **Ulendo Installer** application inside ulendo-aws. Select *'Execute in Terminal'* when prompted. Do not worry about error messages. Wait for program to complete and terminal to print **"provisioned"**
5. On the **add a device form**, enter your details:
    a. Device ID is present in the **ulendo-aws** folder in a file called **info.txt**
    b. Pick a name for the device that you like
    c. Select the type of device you have
    d. Select Alpha for the software version
    e. Click add device



Submitting and running a 3D Printing Job

1. Make sure your edge device is turned on and connected to the Internet.
2. On the edge device (Raspberry Pi), run the `Ulendo` executable (file with the logo) found in the `/ulendo-aws` directory. Select `Execute in Terminal` when prompted.
3. Now from any computer, log into the Ulendo Cloud Platform.
4. Go to the **Jobs** page (or click the plus icon on the top right and select **new job**).
5. Use the **Submit New Job** form to submit a new job - have a GCODE file ready.



6. Once you submit a job, it will show up in your history - you can view details by clicking on it.