Updating your Klipper config for Tap

There are a few changes you'll need to make in order to get Tap working properly.

1. Update your Z endstop
   Under the `[stepper_z]` block, you'll want to comment out your `position_endstop` and change your `endstop_pin` so that it uses the virtual Z endstop for Tap.
   `endstop_pin: probe:z_virtual_endstop`
2. Update your Z homing position
   If you use `[safe_z_home]`, change the location to the center of the bed. If you have a `[homing_override]` make sure that it moves the toolhead to the center of the bed before calling `G28 Z`.
3. Update your probe's offsets
   Remember, with Tap, your nozzle IS the probe, so your `[probe] x_offset` and `[probe] y_offset` values should be 0 now. You'll need to manually calibrate the probe's Z offset by using `PROBE_CALIBRATE`.
4. Add Tap's `activate_gcode:`
   This G-code will allow you to probe cold, but will also prevent you from probing with a nozzle at printing temperature (to try to preserve your build surface). This goes in the `[probe]` section of your config.

```
activate_gcode:
    {% set PROBE_TEMP = 150 %}
    {% set MAX_TEMP = PROBE_TEMP + 5 %}
    {% set ACTUAL_TEMP = printer.extruder.temperature %}
    {% set TARGET_TEMP = printer.extruder.target %}

    {% if TARGET_TEMP > PROBE_TEMP %}
        { action_respond_info('Extruder temperature target of %.1fC is too
high, lowering to %.1fC' % (TARGET_TEMP, PROBE_TEMP)) }
        M109 S{ PROBE_TEMP }
    {% else %}
        # Temperature target is already low enough, but nozzle may still
be too hot.
        {% if ACTUAL_TEMP > MAX_TEMP %}
            { action_respond_info('Extruder temperature %.1fC is still too
high, waiting until below %.1fC' % (ACTUAL_TEMP, MAX_TEMP)) }
            TEMPERATURE_WAIT SENSOR=extruder MAXIMUM={ MAX_TEMP }
```

```
        {% endif %}
    {% endif %}
```