Preparations for zcu111

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To get casper toolflow working on zcu111, some preparations are needed for zcu111.

1. Write PYNQ image to zcu111

The design is based on PYNQ, especially tcpborphserver and clock configuration, so we need to Install PYNQ on zcu111 first.

You can get the PYNQ image for zcu111 from the pynq website(http://www.pynq.io/board.html), or you can use the image(zcu111\_v2.5.zip) in the repository directly.

Here is the link about how to write the image to SD card on zcu111.

<https://pynq.readthedocs.io/en/latest/appendix.html#writing-the-sd-card>

1. Install tcpborphsever

It is the same as we did for Red Pitaya, so you can refer the steps here.

<https://casper-tutorials.readthedocs.io/en/latest/tutorials/redpitaya/red_pitaya_setup.html>

Just remember that you have to install PYNQ first, or you can’t use “git” and “make” command.

1. Replace a python file

You need to copy the \_\_init\_\_.py in the repository to zcu111 first with “scp” command, and then replace the old \_\_init\_\_.py on zcu111. The path is:

/usr/local/lib/python3.6/dist-packages/xrfclk/\_\_init\_\_.py

1. Cpoy clkconfig.py to your zcu111

You need to copy the clkconfig.py to your zuc111, and remember to run the python script every time, when the zuc111 powers up.

This python script is for setting up the clock for PL source, so it’s very important.

We will create a startup service for it later.