

The Zybo Z7-10 ships without Linux installed (unlike the old version, which had Linux installed in the on-board Flash).

Xilinx is pushing PetaLinux as the recommended system to install on the Z7. The default 'pre-built' Linux kernel (image.ub) is 48 MB in size and is far too large to fit into the 16 MB flash on the board. So unless I (or one of you) rebuild the kernel, ripping out a bunch of drivers they have included in the pre-built kernel, we will not be able to create a bootable flash image.

You will need to have linux running on your Zybo board, and you'll need to boot the pre-built version from a microSD card. You will need to buy a microSD card (might as well get a small one, e.g., 8 GB or smaller), AND a microSD card reader/writer. I bought a universal reader/writer from Walmart for \$10 and a 32 GB microSD card for about \$8. I'm sure you can get both of these cheaper (less than \$10 for both) if you look around.

Once you have the microSD card reader/writer, you'll need to check that it is formatted as vfat (most are by default). You then need to copy the two files that I've posted on my website named BOOT.BIN and image.ub to the microSD card. Plug it into the Z7, set the jumper to boot from the SD card, power on and then you should be able to use a serial terminal to connect as I describe in the labs.