

Re: PIC/Linux

Source: <http://sci.tech-archive.net/Archive/sci.electronics.misc/2006-11/msg00057.html>

- *From:* Frank-Christian Kruegel <dontmailme@xxxxxxxxxxxxx>
 - *Date:* Fri, 10 Nov 2006 08:59:33 +0100
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On 10 Nov 2006 00:00:59 -0500, Allan Adler <ara@xxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

I considered AVR earlier and tried to find some materials on it that didn't assume a Windows environment. The stuff I downloaded contained the following files with no documentation, and also looked BSD specific, so I gave up:
AT90CAN128.BSD ATMEGA169.BSD atmega323.bsd ATMEGA329.BSD
ATMEGA6490.BSD
ATMEGA128.BSD ATMEGA16.BSD ATMEGA3250.BSD atmega32.bsd
ATMEGA649.BSD
ATMEGA162.BSD ATMEGA2560.BSD ATMEGA325.BSD ATMEGA6450.BSD
atmega64.bsd
ATMEGA165.BSD ATMEGA2561.BSD ATMEGA3290.BSD ATMEGA645.BSD

These files are BSDL files for chip testing (boundary scan description list) and have no relation to BSD Unix.

Start reading here:

<http://www.linuxjournal.com/article/7289>

<http://cdk4avr.sourceforge.net/>

<http://www.tuxgraphics.org/electronics/200411/article352.shtml>

Mit freundlichen Gruessen

Vielen Danke. I looked at these links and will have to read the first and last a few more times before I can get an overview. Meanwhile, I went to the sourceforge link and downloaded everything that I couldn't prove I didn't need, except when there were long sublists of downloads for very specific interfaces, etc. Here is what I wound up with:

Since I don't possess an AVR and don't know yet exactly what to get, I think I need to try to figure out which of these tgz files to open and explore. For example, `cdk-abr-simulavr-0.1.2.2-20060709.tgz`, by its name, sounds as though it will let me simulate the AVR without actually having one.

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Exactly.

The third link, to tuxgraphics.org, is fairly specific about binutils-2.15, while I have binutils-2.10, and gcc-core-3.42, while I have gcc-2.96.

You've got gcc-2.96 for x86. For AVR programming you'll need tools for AVR. So just do what they write, download these files and compile them.

I guess you are not very familiar with the Linux/Unix development environment. This would help you in getting started with AVR, since the tools are basically the same.

Mit freundlichen Grüßen

Frank-Christian Krügel

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