MuntsOS Embedded Linux

Application Note #2:
Development Environment
Setup for non-Debian Linux

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by Philip Munts
President, Munts Technologies
http://tech.munts.com

Introduction

This application note describes how to install the application software development environment for **MuntsOS Embedded Linux** onto a computer running 64-bit Linux.

Although the MuntsOS cross-toolchain packages are built for 64-bit Debian 9 (Stretch), they are statically linked and it may be possible to run them on other 64-bit Linux distributions.

Installation Procedure

Step 1: Prepare the system for application software development by making sure the following Linux programs are installed:

- `git`
- `gprbuild`
- `make`
- `tar`
- `wget`

Step 2: Download one or more **MuntsOS** cross-toolchain tarballs from the following web server:

http://repo.munts.com/muntsos/toolchains

You can either download a **MuntsOS** cross-toolchain tarball with your favorite web browser, or with a `wget` command similar to the following:

```
wget http://repo.munts.com/muntsos/toolchains/toolchains-muntsos-
BeagleBone-linaro-2018.211-amd64.tgz
```

Step 3: After you have downloaded one of the **MuntsOS** cross-toolchain tarballs, you can install it with a command similar to the following:

```
sudo tar xzf toolchains-muntsos-BeagleBone-linaro-2018.211-amd64.tgz
--directory=/usr/local
```

Each **MuntsOS** cross-toolchain package contains cross-compilers for the Ada, C, C++, Fortran, and Pascal programming languages.

Step 4: Clone the **MuntsOS Embedded Linux** source code tree with `git`:

```
git clone https://github.com/pmunts/muntsos.git
```