

# **MuntsOS Embedded Linux**

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

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## 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 11 (Bullseye), 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/muntsos-dev-beaglebone-2022.040.1-  
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 muntsos-dev-beaglebone-2022.040.1-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
```