

# **MuntsOS Embedded Linux**

## ***Application Note #2: Development Environment Setup using Toolchain Tarballs***

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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 an x86-64 Linux distribution *other* than Debian 11 or Centos 9 or Fedora 37. (For Debian 11, refer to [Application Note #1](#). For CentOS 9 or Fedora 37, refer to [Applicaton Note #8](#).)

The **MuntsOS** cross-toolchains are built on and for x86-64 Debian 11 (Bullseye), but since the binaries within them are statically linked, it *may* be possible to use them on other x86-64 Linux distributions.

**MuntsOS** cross-toolchain tarballs are available at:

<http://repo.munts.com/muntsos/tarballs>

Each tarball contains cross-compilers for the Ada, C, C++, Fortran, Free Pascal, and Go programming languages.

## **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 the **MuntsOS** cross-toolchain tarballs with the following command:

```
wget -r -np http://repo.munts.com/muntsos/tarballs/
```

*Step 3:* Install the **MuntsOS** cross-toolchain tarballs with the following commands:

```
for T in repo.munts.com/muntsos/tarballs/*.tgz
do
    sudo tar xzf $T --directory=/usr/local
done
```