Xenomai 3.1 installation issues

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1 Introduction

In the following are reported a few problems detected during the installation of Xenomai 3.1, and corresponding workarounds.

You are welcome to contribute for extending this document, by reporting issues you found and, if possible, the workarounds. Please send your contributions to "pbrp@ua.pt".

The list of contributors is as follows:

- José Silva, GCC version and general compilation issues

2 Issues and workarounds

2.1 Xenomai install fails on Ubuntu 21.04 or above, with gcc 9.3.0 or above

Workaround: install gcc-9. Indications in:

https://wiki.crowncloud.net/?How_to_Install_GCC_on_Ubuntu_21_04

2.2 Unspecified errors during "/xenomai-3.1/configure" or "make install"

Diverse errors during the build and installation process can be due to unsuitable configure script and Makefiles.

Workaround: execute the script "./scripts/bootstrap" in the root of the folder in which the Xenomai tarball was expanded. Then repeat the installation process.

See:
https://source.denx.de/Xenomai/xenomai/-/wikis/Installing_Xenomai_3#user-content-configuring

Note: this procedure is required if the sources are obtained from the Xenomai GIT tree instead of from a release tarball. In fact, at the time of this writing, the Xenomai 3.1.1 tarball is defective and does not include the necessary configure script and Makefiles, so this step is required for a successful installation of this tarball.