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xasbuild

an utility to make Makefiles for XAS 1.1 (UNIX version)

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User's Guide
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¶Changes with respect to previous 1.0.1 version (August 1993) are marked by change bars

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1. Purpose

The **xasbuild** set of scripts allows a generic user to build (and re–build in the development phase) the XAS 1.1 library and programs, constructing and updating Makefiles in the XAS source directories.
The set of Makefiles created by **xasbuild** is intended to allow recompilation of the existing XAS 1.1 library, demos and programs under the UNIX platforms (supported: DEC ULTRIX; unsupported: HP and SUN up to now, OSF1 coming soon). It can be useful as a maintenance tool, i. e. a tool that allows a quick insertion of patches in next releases with installation of source files and recompilation. Without **xasbuild** the update of the Makefiles at various levels of the XAS tree should have been manual, and this is felt by the authors as a potential source of serious problems and of nuisance. This is an attempt to avoid the ones and the other.
The use of **xasbuild** was kept as simple as possible with very easy and simple customisations (this somehow complicated the scripts). The main customisation (that is the way you say to **xasbuild** that there are new source files/programs/libraries in the XAS tree) is handled via external files. The syntax of these files is simple, and they can be modified with any ASCII text editor. The only environment variable that needs to be defined is $XASTOP, pointing to the top level of the XAS directory tree. This choice allows very simple operations while updating the package and limits the errors that can be made while configuring. All operations that are performed on these configuration files are NOT site–specific.
A final "localisation" is also handled via shell script, building the site–specific Makefiles.
This set of scripts and proto–Makefiles is distributed as–is, with no support. However the author will keep track of all problems encountered if someone wants to try this package. Mail the problems to pds_sw@saxpds2.tesre.bo.cnr.it, with a synthetic description and with a copy of the logs.
In any case please have a look at the disclaimer note at the end of these instructions (hopefully physical and *psychical* damages will not arise from the use of **xasbuild** ....).