ALMOS distribution for the TSAR many-core

1.   1. <u>Summary</u>

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Running ALMOS on TSAR virtual prototype requires the installation of several open-source technologies like a GCC cross-compiler, SocLib? virtual prototyping library, SystemC, SystemCASS and TSAR modules. To simplify the task of building and configuring a correct development environment, ALMOS comes with a stand-alone and ready-to-use distribution.

This distribution enables you to :

- Write/port your own applications for ALMOS
- Run these applications on TSAR using different number of cores ranging from 4 to 1024 cores.
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This distribution contains the following resources :

- ALMOS
    - The headers and static libraries
    - The kernel and its bootloader
- TSAR
    - Accurate Full-system simulator
    - TTY consoles and Framebufer utilities
- GCC mipsel bar-metal corss-compiler