

Welcome to ALMOS Project

ALMOS (Advanced Locality Management Operating System) is a research operating system currently under development at the SoC department of the LIP6 Laboratory (<http://www.upmc.fr> UPMC Sorbonne Universités). This new research operating system has been started from scratch and it is targeting cc-NUMA multi/many-cores. It is intended to investigate the scalability of the different components of an operating system on a current and future many-cores. ALMOS has been originally developed as a part of the TSAR MEDEA+ European project and its kernel allows shared-memory parallel applications to scale up to +1024 cores on the TSAR (Tera-Scale ARchitecture) single-chip cc-NUMA many-core. Work is in progress to port ALMOS to AMD Opteron (Interlagos) 64-cores cc-NUMA machine.

PROJECT WEBSITE IS UNDER CONSTRUCTION