

SEAPATH and Real-time

SEAPATH uses a full preemptable Linux Kernel which brings real-time features.

cyclicttest tool is used to accurately and repeatedly measure the difference between a thread's intended wake-up time and the time at which it actually wakes up in order to provide statistics about the system's latencies. It can measure latencies in real-time systems caused by the hardware, the firmware, and the operating system. Note that the preemptable Linux Kernel is not enough to guarantee real-time performance of the guests. Real-time applications, network configuration and so on, must also be designed carefully.

The result and analysis of Real-time tests performed on a SEAPATH cluster can be found in section RT test results.