

4. Performance analysis of the VoliMem library

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Prerequisite: None

Summary: The VoliMem library, developed internally, allows any process to run as its own lightweight virtual machine. However, running a VM is known to have side effects in terms of performance. The goal of this internship is 1. to implement passthrough of PAPI performance counters inside VoliMem, and 2. use these counters to quantify the performance impact of VoliMem on a various set of benchmarks.