

Lab 1: Experimental setup and tools

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1 Introduction

2 Node architecture and memory

	boada-1 to boada-4	boada-5	boada-6 to boada-8
Number of sockets per node			
Number of cores per socket			
Number of threads per core			
L1-I cache size (per-core)			
L1-D cache size (per core)			
L2 cache size (per-core)			
Last-level cache size (per-socket)			
Main memory size (per socket)			
Main memory size (per node)			

3 Sequential and parallel executions

3.1 Strong scalability

3.2 Weak scalability

4 Conclusions