

Benchmarking P2C for HPC

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Abstract

We report some results of benchmarking P2C for HPC using NPB 3.3.1.

1 Introduction

In order to evaluate the performance of P2C for HPC, NPB Benchmark applications were tested. A 16-node cluster was deployed using vcluster.

2 Results

2.1 Conjugate Gradient

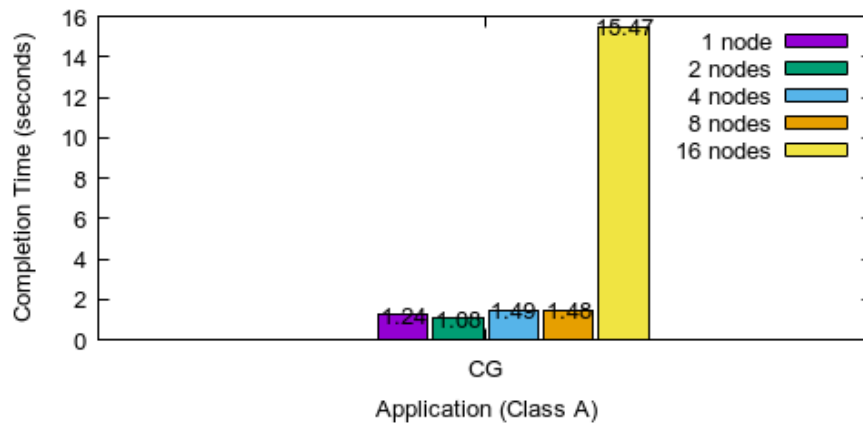


Figure 1: This frog was uploaded via the project menu.

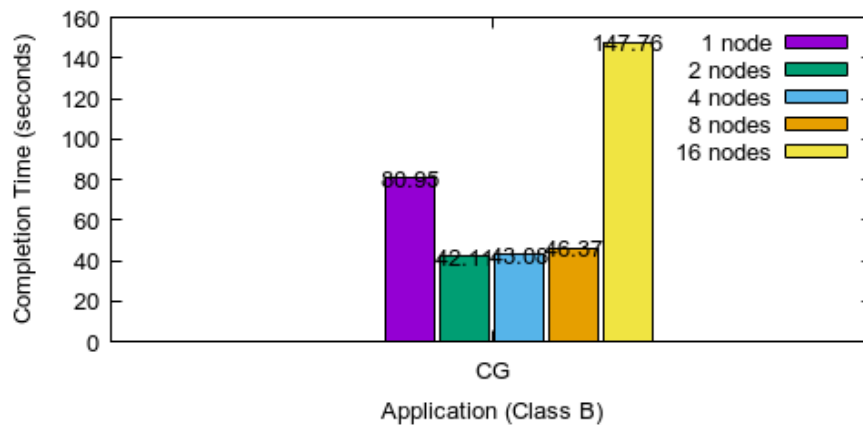


Figure 2: This frog was uploaded via the project menu.

2.2 Embarassingly Parallel

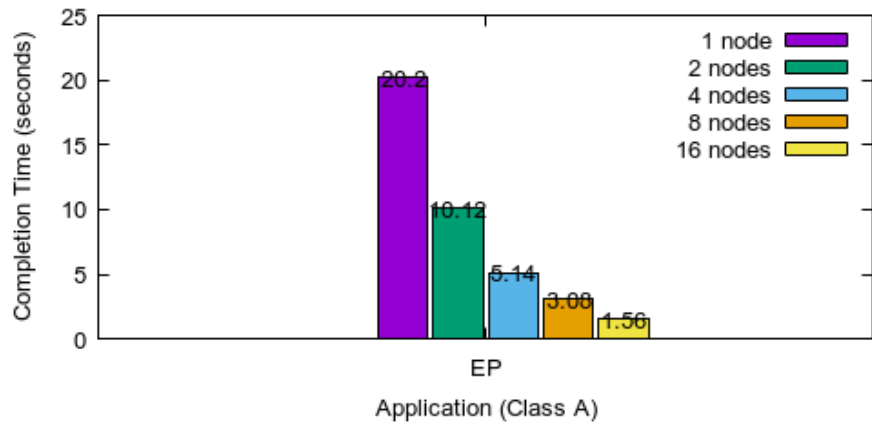


Figure 3: This frog was uploaded via the project menu.

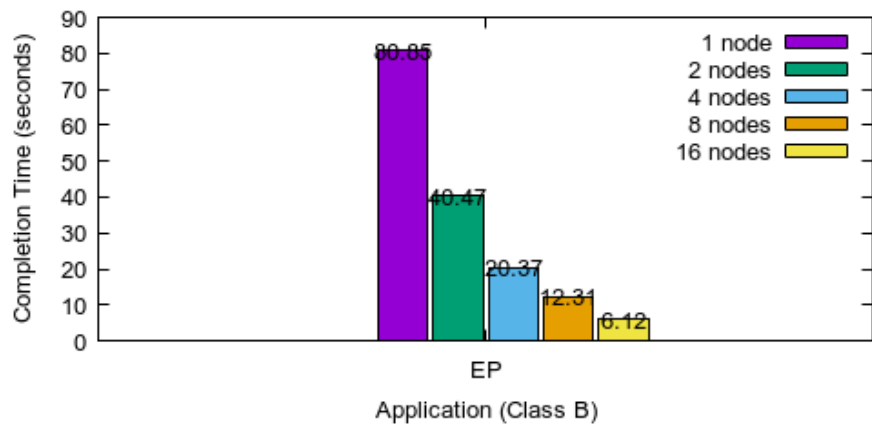


Figure 4: This frog was uploaded via the project menu.

2.3 Fourier Transform

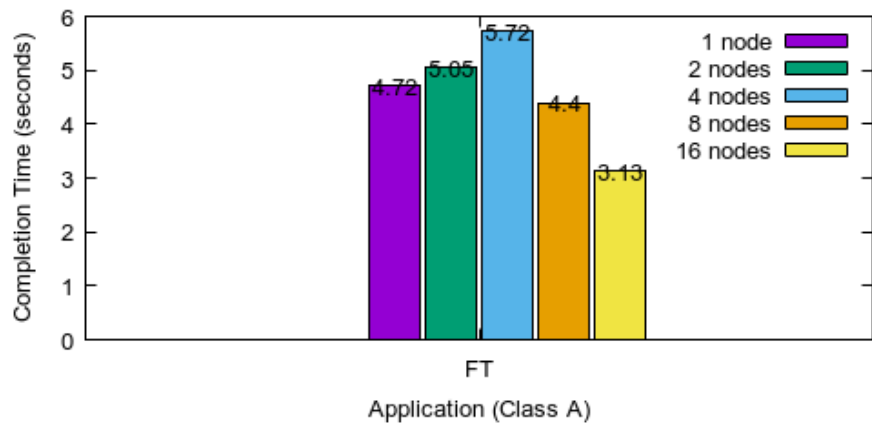


Figure 5: This frog was uploaded via the project menu.

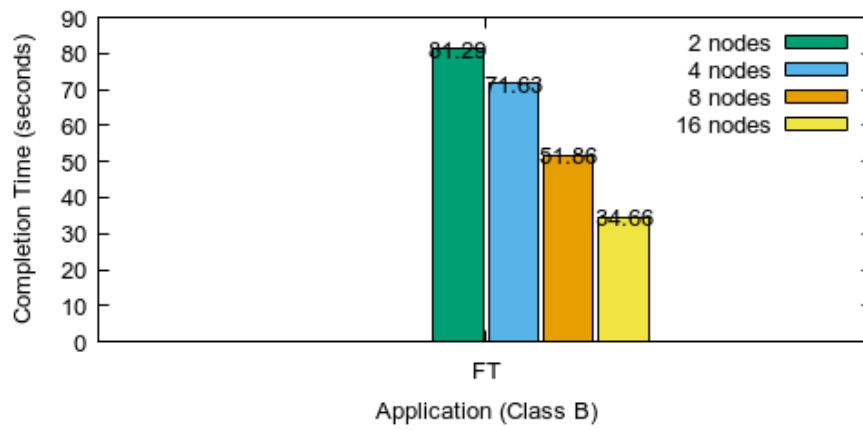


Figure 6: This frog was uploaded via the project menu.

2.4 Integer Sort

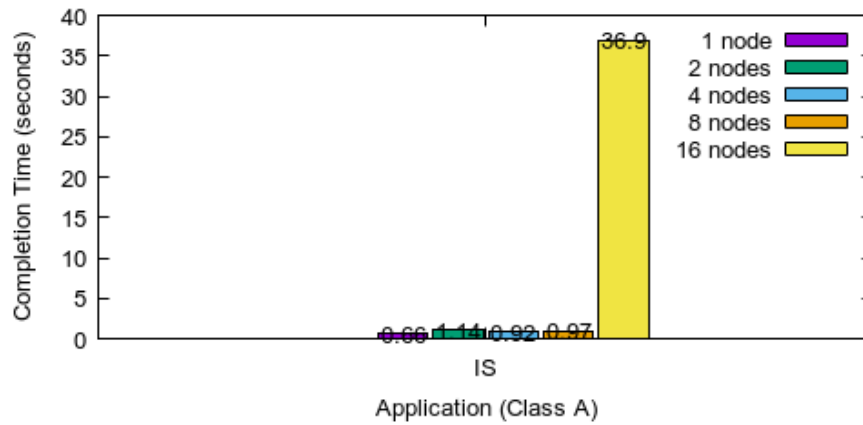


Figure 7: This frog was uploaded via the project menu.

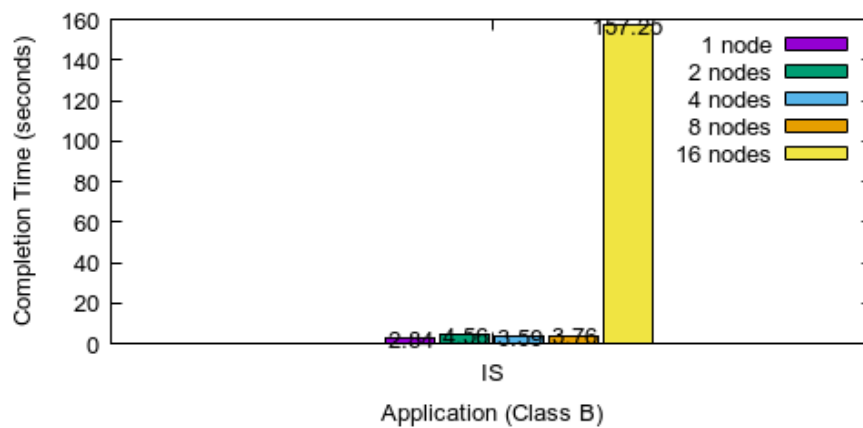


Figure 8: This frog was uploaded via the project menu.

2.5 Lower-Upper Gauss-Seidel Solver

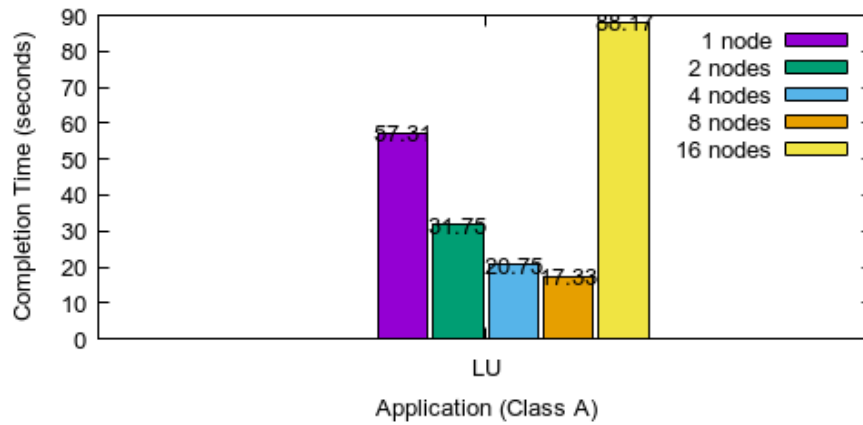


Figure 9: This frog was uploaded via the project menu.

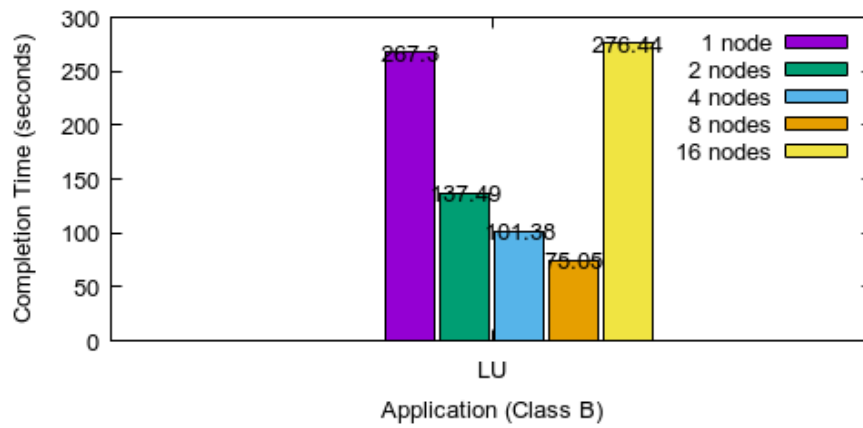


Figure 10: This frog was uploaded via the project menu.

2.6 Multi-Grid

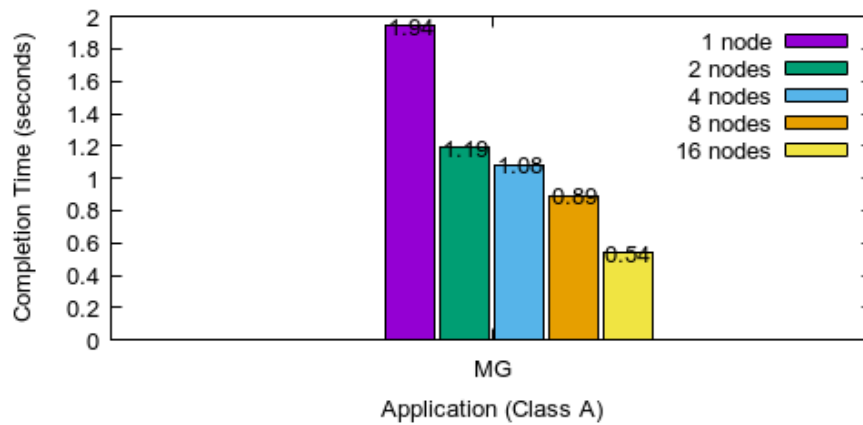


Figure 11: This frog was uploaded via the project menu.

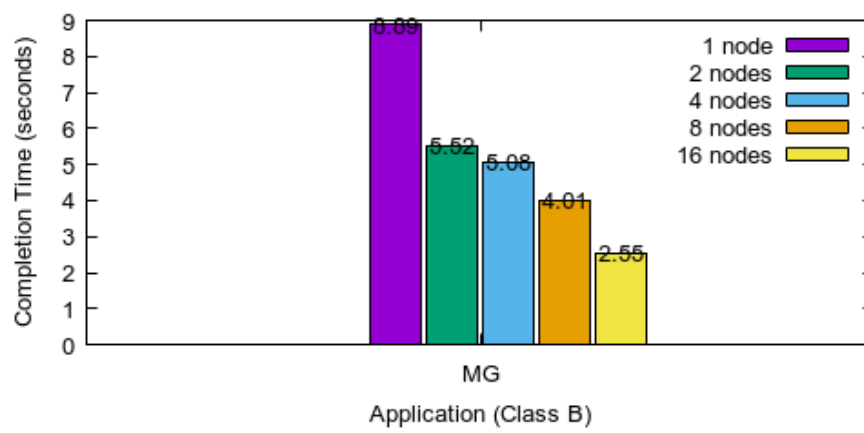


Figure 12: This frog was uploaded via the project menu.