

# 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 applications, NPB Benchmark applications were tested. A 16-node cluster was deployed using vcluster.

## 2 Results

### 2.1 Conjugate Gradient

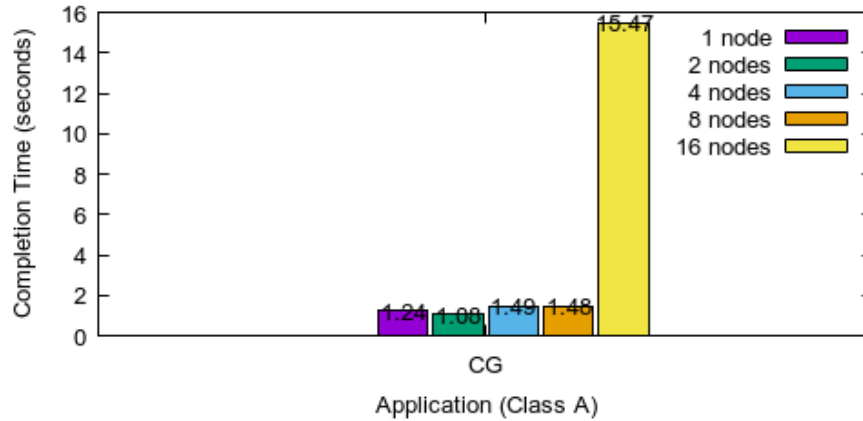


Figure 1: This frog was uploaded via the project menu.

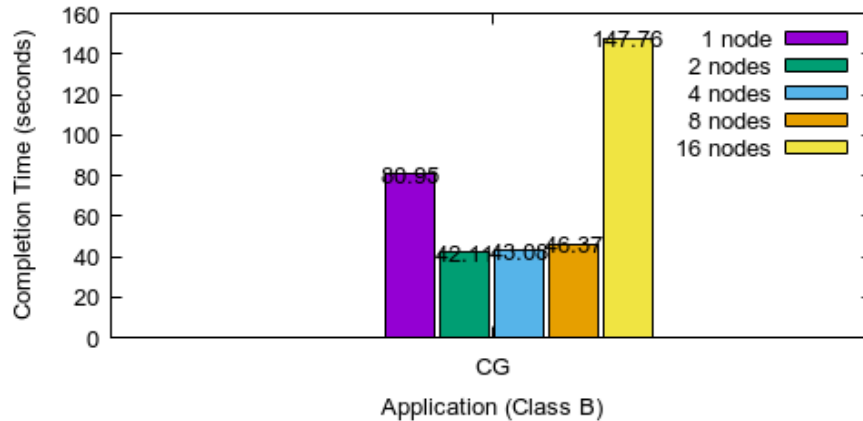


Figure 2: This frog was uploaded via the project menu.

## 2.2 Embarassingly Parallel

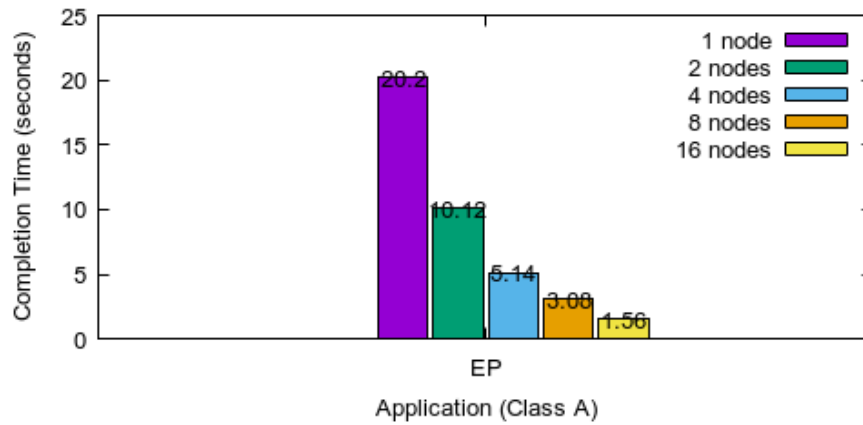


Figure 3: This frog was uploaded via the project menu.

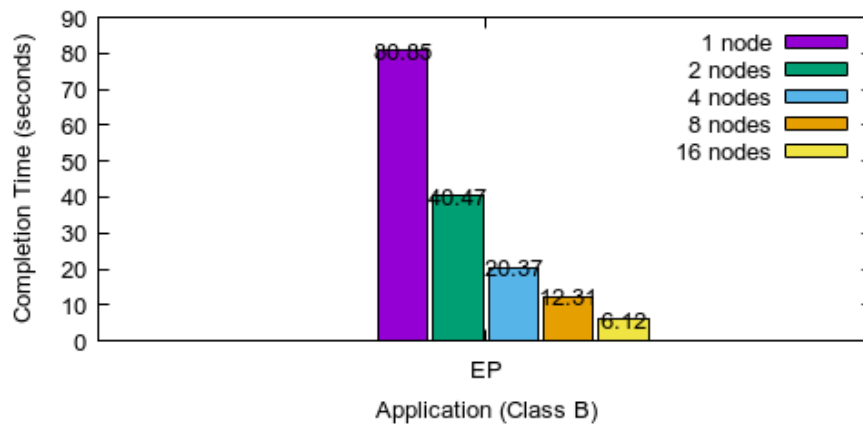


Figure 4: This frog was uploaded via the project menu.

## 2.3 Fourier Transform

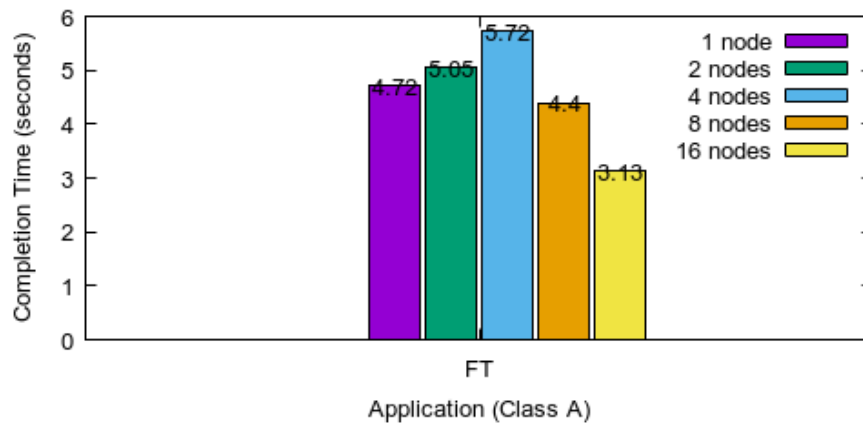


Figure 5: This frog was uploaded via the project menu.

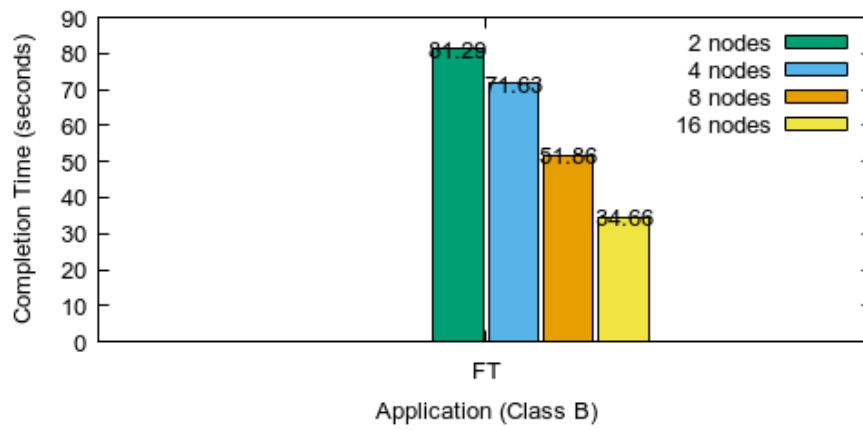


Figure 6: This frog was uploaded via the project menu.

## 2.4 Integer Sort

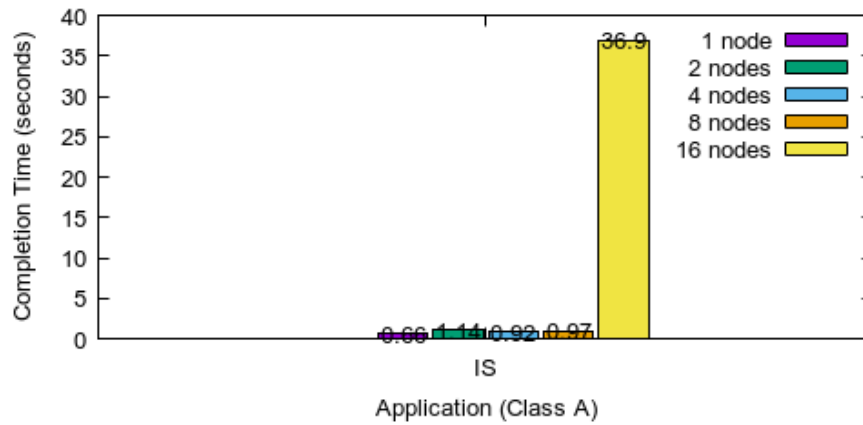


Figure 7: This frog was uploaded via the project menu.

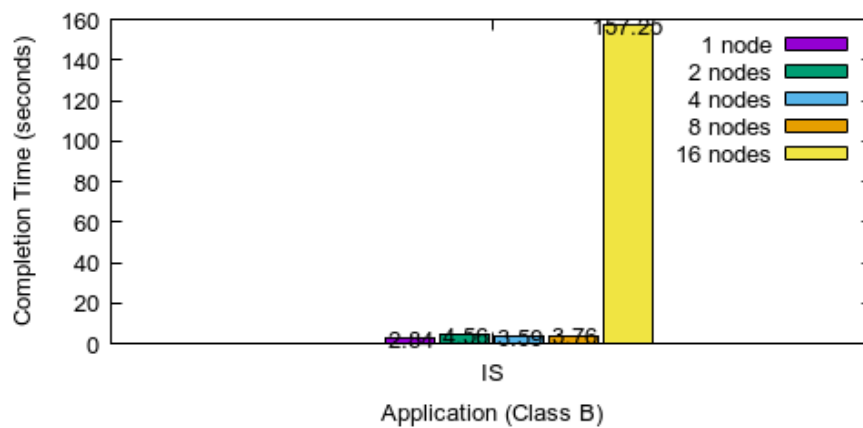


Figure 8: This frog was uploaded via the project menu.

## 2.5 Lower-Upper Gauss-Seidel Solver

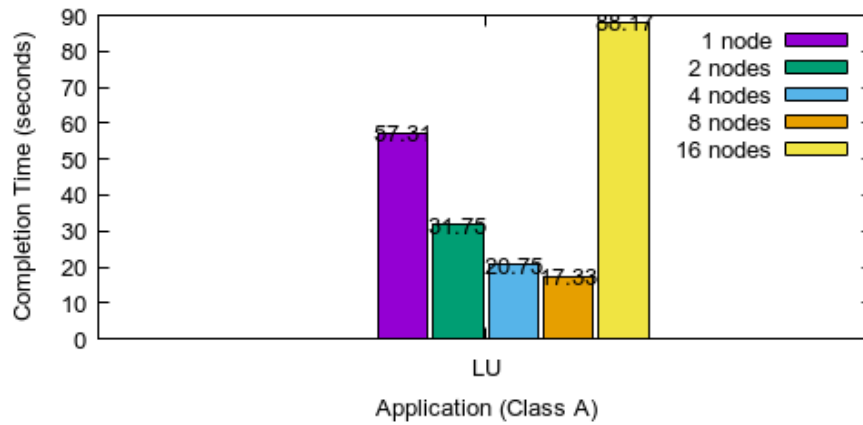


Figure 9: This frog was uploaded via the project menu.

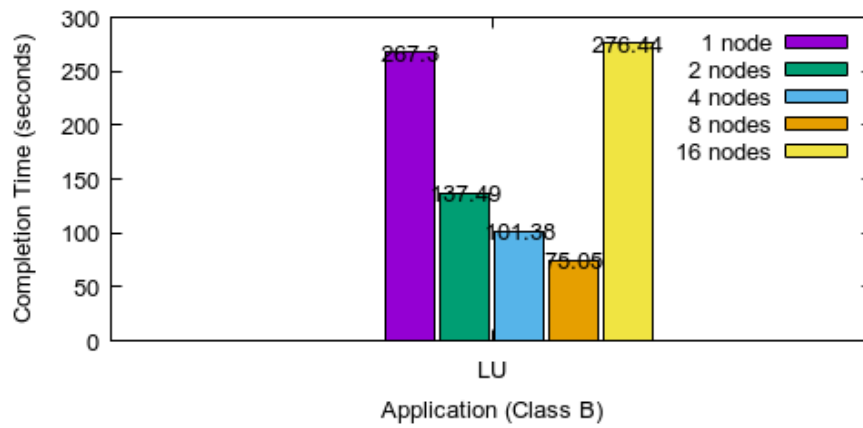


Figure 10: This frog was uploaded via the project menu.

## 2.6 Multi-Grid

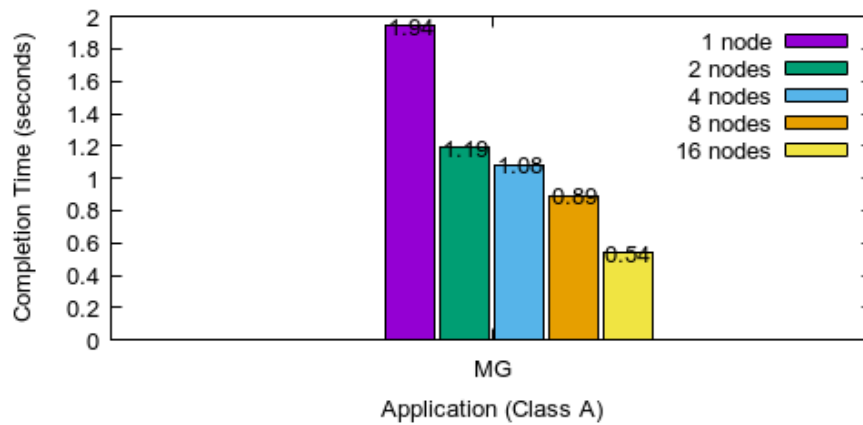


Figure 11: This frog was uploaded via the project menu.

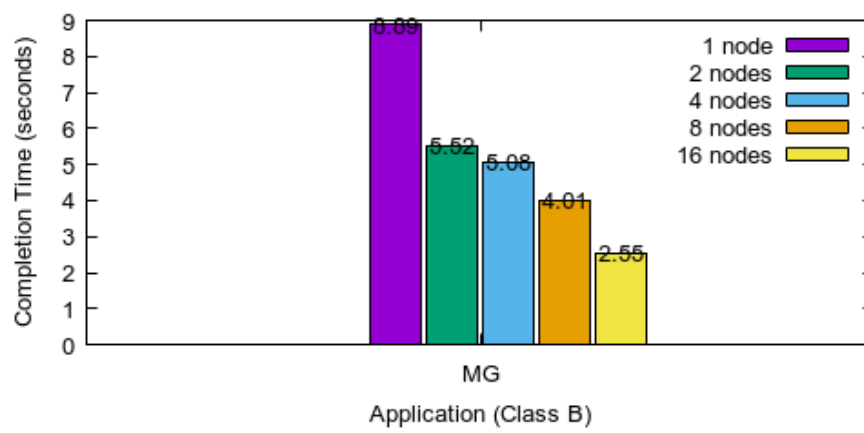


Figure 12: This frog was uploaded via the project menu.