

# Current Topics in Multimedia Communication: Server, Cluster, and Cloud Computing–Project

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May 7, 2016

## Introduction

I create code in C and C++ because i discover after create YSMF that pthread and C++ classes don't works pretty well together

My specs are: Procio: 2,5 GHz Intel Core i7-4870HQ num Cores: 8 num Threads: 8 RAM: 16GB

Code in C/C++ How to compile

## Implementation

C++ class for YSMF pthread to implement threads three different strategies  
motivation why three

## Evaluation

Run `./evaluation.sh` to generate .csv files. Then process them with R to generate the following graphs.

**all\_single** blabla

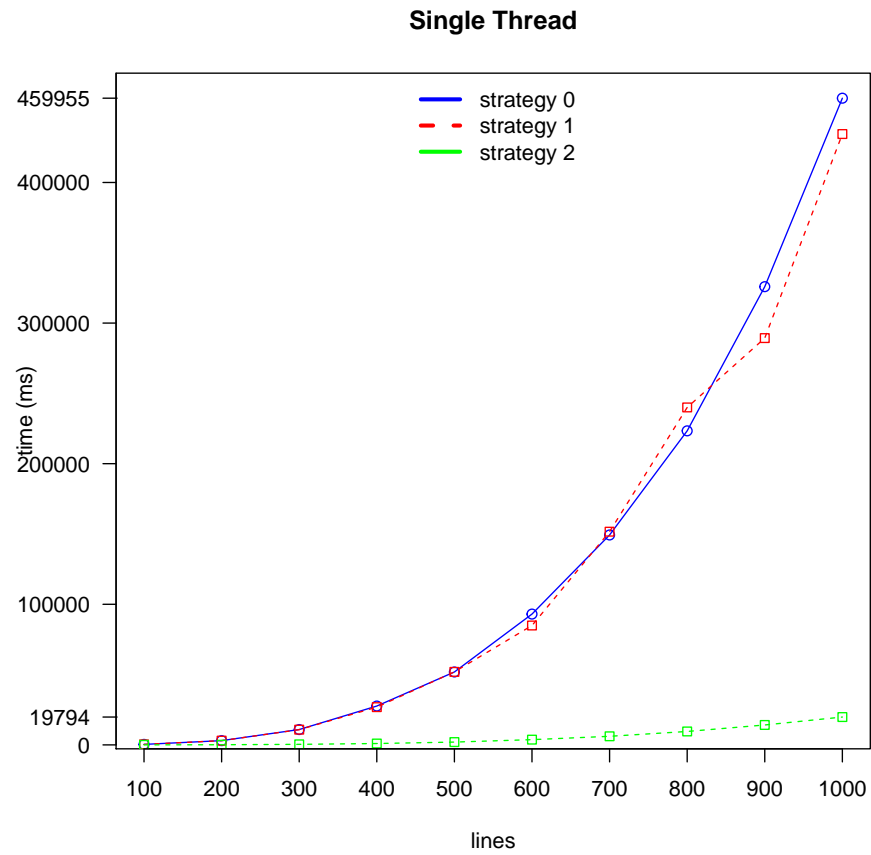


Figure 1: RAM Used to compute a matrix  $100000 \times 1000000$

**all\_multiple** bla bla bla

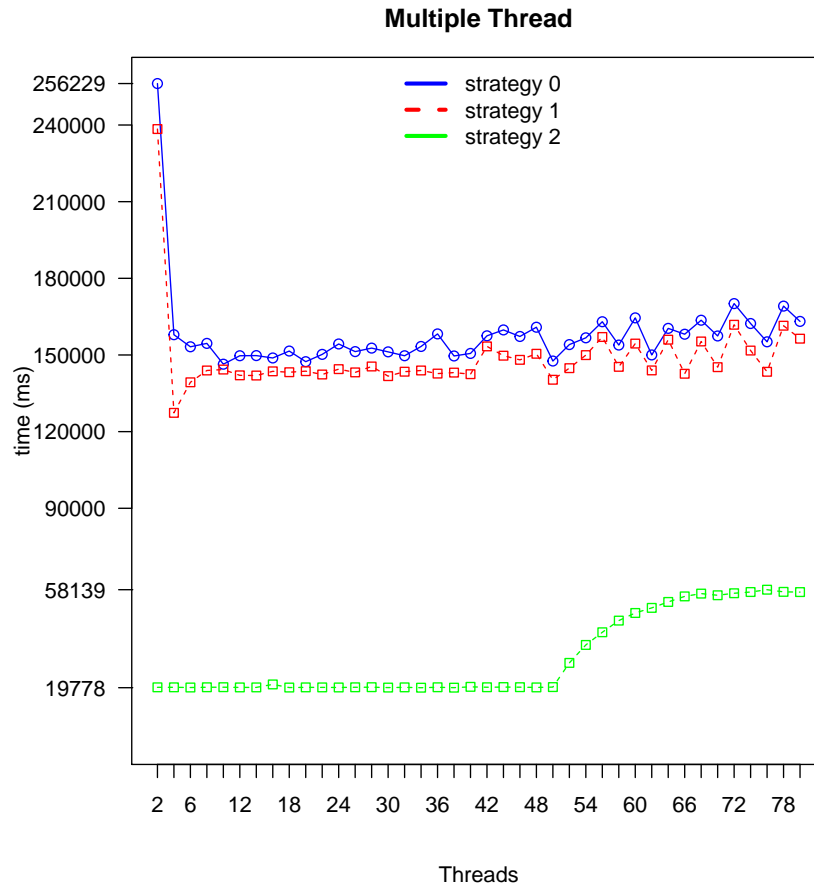


Figure 2: RAM Used to compute a matrix  $100000 \times 1000000$

**diff\_time\_multiple**

**init\_phase**

**speedup**

**Blow the Memory UP**  $100000 \times 1000000$

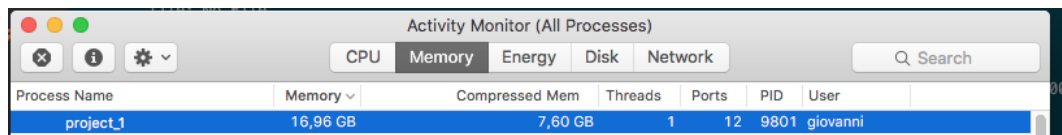


Figure 3: RAM Used to compute a matrix  $100000 \times 1000000$