

In the current directory, `parallel_vector_v1.cpp` contains the unmodified (no improvements added) version of our concurrent implementation, and `parallel_vector_v2.cpp` contains the modified (improvements added) version of our concurrent implementation. We tested our programs on a virtual machine running Ubuntu 18.04 with g++ version 7.3.0.

To run one of the programs, run:

```
g++ parallel_vector_v1.cpp -pthread  
./a.out
```

This will run version 1 of the concurrent vector and display the performance results (the units for which are seconds per 500,000 operations). To run version 2, change the above command to use `parallel_vector_v2.cpp` instead of `parallel_vector_v1.cpp`