

Run Configuration Performance Tuning

Note: All experiment results are already included in the repository. You don't need to rerun the tuning algorithms to view the visualizations.

To rerun the tuning process manually:

1. Open PowerShell or terminal.
2. Run:

```
py -3.10 main.py
```

- The program will complete tuning (excluding Bayesian) in about **1 hour**.
 - **Bayesian Optimization** takes several hours — uncomment the corresponding line in `main.py` if you wish to run it.
 - The default seed is 42, which reproduces all results from the included research paper.
-

Run Visualization

1. Open the project in VSCode.
 2. Open and run `visualization.ipynb`.
 3. View the results:
 - Visualizations will be saved in the `results_img/` folder.
 - Or directly view plots inside the notebook after execution.
-

100 comparisons between `bestconfig_fast_search` and base

This will provide a comparison chart of all systems

```
py -3.10 main.py -t
```
