

Background

Performance analysis tools are essential to help HPC experts:



An end-to-end Performance analysis framework often consists of a profiling tool and a visualization tool



Applications

A profiling tool typically runs on supercomputers, while a visualization tool typically runs on individual computers.

Challenges

The **challenges** of profiling and visualizing large-scale parallel programs:





Two-phase IO Enabling Large-scale Performance Introspection

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others.

experiments on the Theta Supercomputer.

