

### 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

## Ke Fan (kfan23@uic.edu), Sidharth Kumar (sidharth@uic.edu)



others.

experiments on the Theta Supercomputer.

