

Evaluation of SDN-based Conflict Avoidance between Inter-Node Communication and Staging Communication based on Packet Monitoring

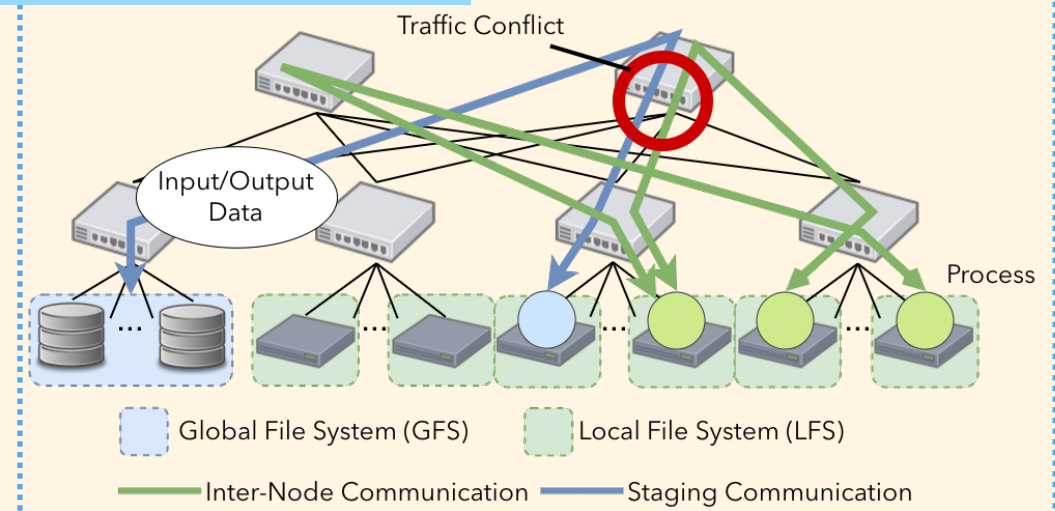
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Background: Accelerating the staging execution is important for the throughput of high-performance computing systems.

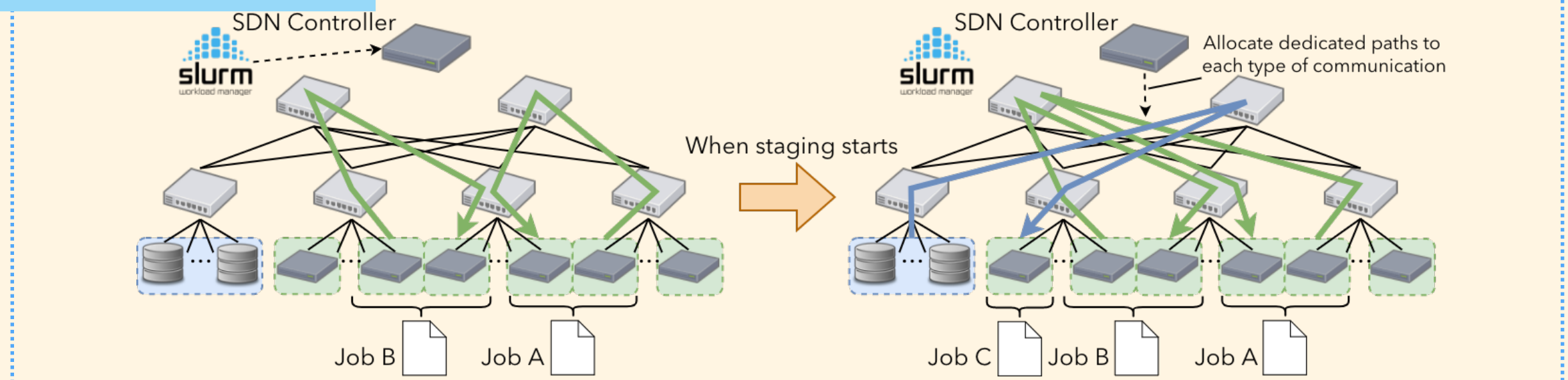
Research Focus: The traffic conflict between inter-node communication and staging may decrease the communication performance.

Goal: To investigate how the traffic conflict affects the communication performance and alleviate the effect by using the programmability of SDN.

The Traffic Conflict



Our Proposed Method



Evaluation: We are building an experiment environment and plan to conduct a packet monitoring experiment.