ACM SIGMOD Availability & Reproducibility Initiative: HotStuff-1: Linear Consensus with One-Phase Speculation

This works provides commands to draw result figures of HotStuff-1 [1], which is for the convenience of the ACM SIGMOD Availability & Reproducibility Initiative.

1 EVALUATION FIGURES

1.1 Scalability

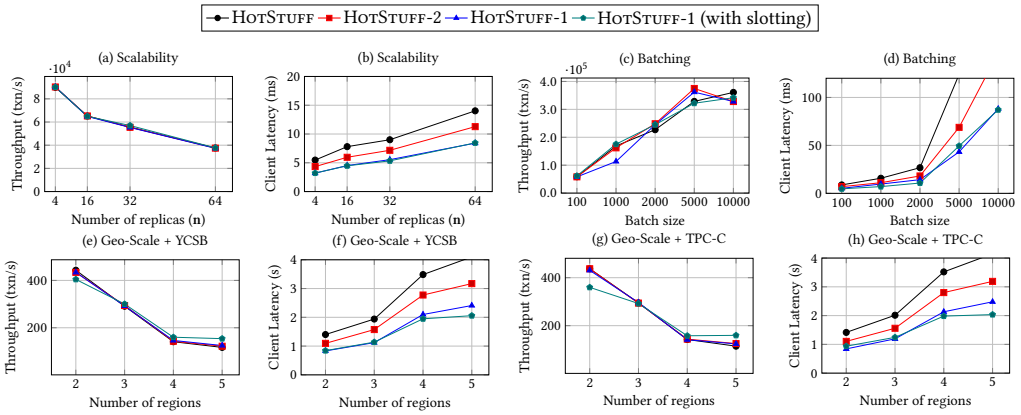

Fig. 1. Scalability Plots.

Author's address:

1.2 Impact of the f Additional Responses

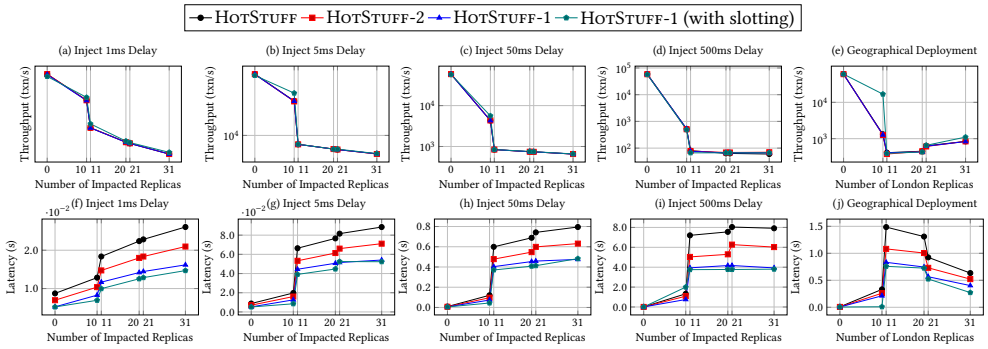

Fig. 2. Performance with Varying Network Conditions.

1.3 Failure Resiliency

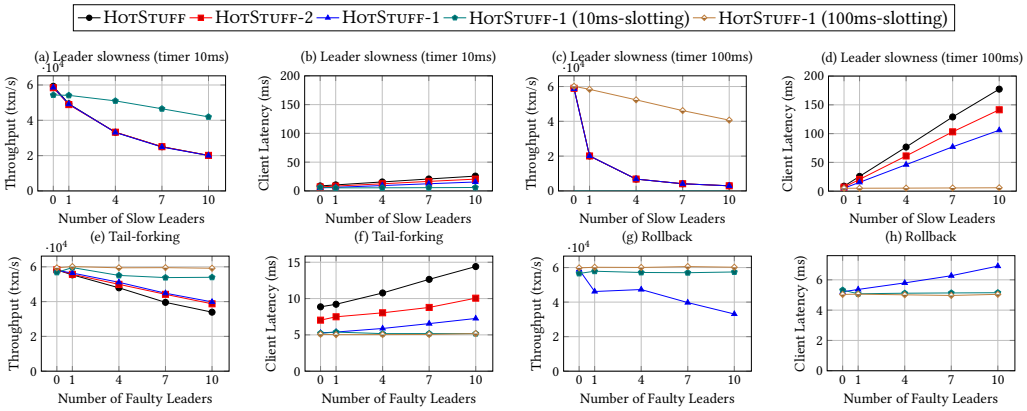

Fig. 3. Impact of varying the number of faulty replicas (leader slowness, tail-forking, and rollback).

REFERENCES

[1] Dakai Kang, Suyash Gupta, Dahlia Malkhi, and Mohammad Sadoghi. 2025. Hotstuff-1: Linear consensus with one-phase speculation. *Proceedings of the ACM on Management of Data* 3, 3 (2025), 1–29.