

**WEI YANG (SLAC), RADU POPESCU**

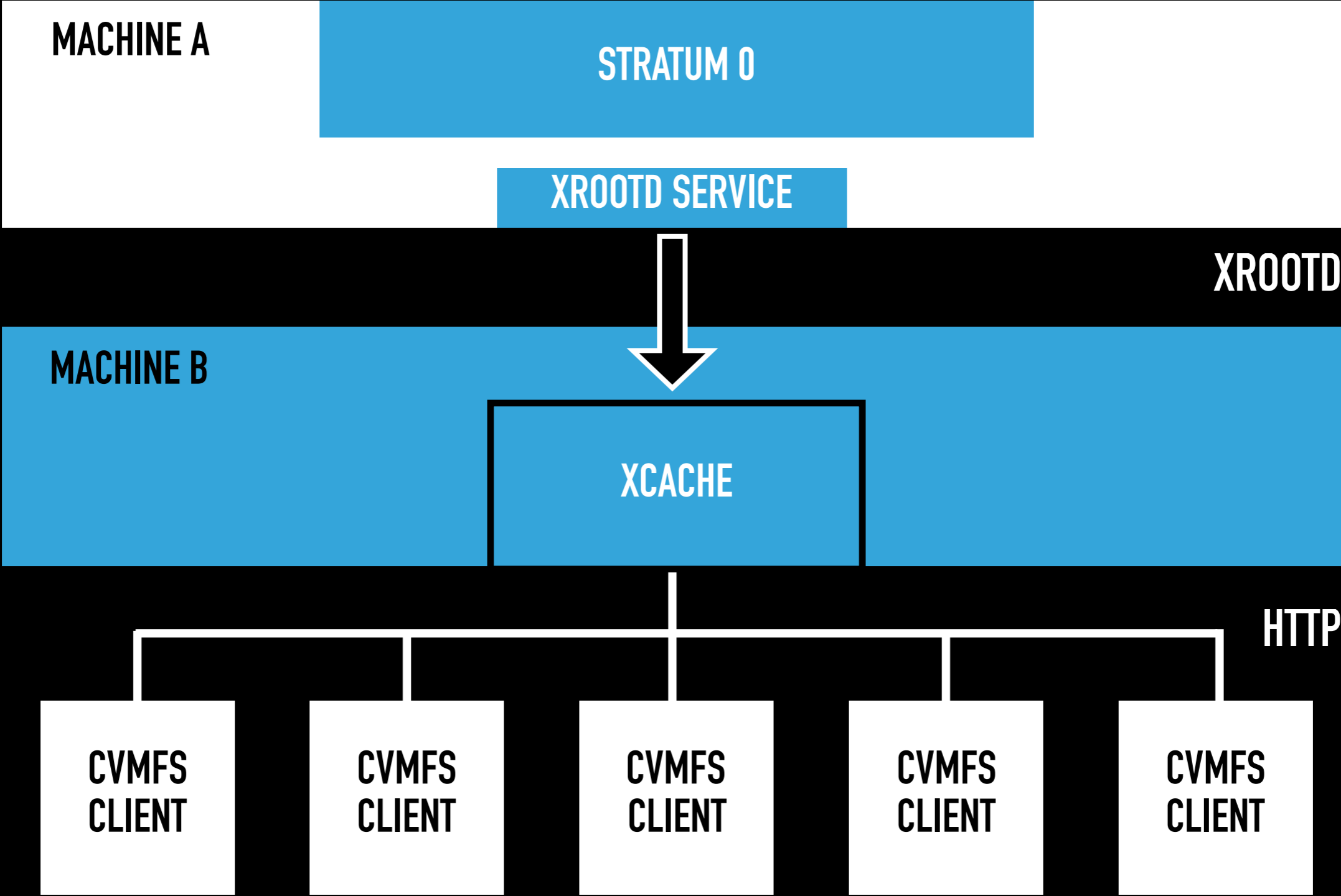
---

**XCACHE AS A PROXY FOR CVMFS  
(PRELIMINARY RESULTS)**

## PREMISE

- ▶ Can XRootD be used as an alternative transport for CVMFS?
  - ▶ XCache can be introduced without changes to the clients' source
- ▶ Not the first time we look at XRootD:
  - ▶ 2017: XRootD based cache plugin for CVMFS (Matteo Domenighini)

# TEST SETUP



---

## CURRENT STATUS

- ▶ It works!
  - ▶ Just point the client to the XCache (output) address!
- ▶ Limitations:
  - ▶ The mutable files don't expire in XCache
    - ▶ Make an XRootD plugin to refresh it
    - ▶ Wait for signal from (exp) notification server?

## NEXT STEPS

- ▶ Quantitative benchmarks
- ▶ Scalability tests (thundering herd effect)
- ▶ Ingestion into XRootD from HTTP?

---

## SUMMARY

- Excited about preliminary results, possibility of alternative transports
- Looking forward to more measurements, better integration