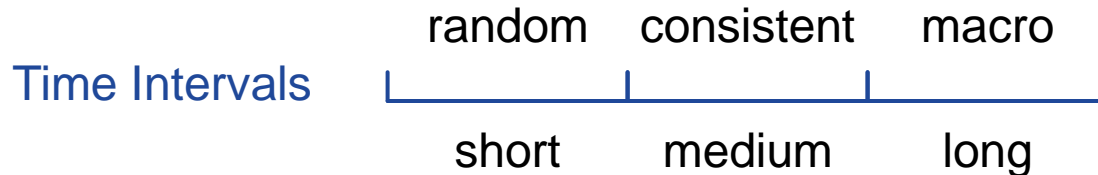# Breakout Group:
Low-Latency Datacenters

Platform Lab Retreat
May 29, 2015

Selected Ideas from Discussion

- **Low-latency datacenter: just a supercomputer?**

- **Compile the software stack to optimize for latency?**

- **NIC: too complex to embed one/core?**

- **Which is better?**
  - Latency higher but analyzable
  - Lower average but can't record enough information to track down issues

- **Can tail latency be improved by increasing average latency?**

- **To what degree does recent workload predict future workload?**

random   consistent   macro

Time Intervals |_____|_____|_____|

short   medium   long

Palette

Low-Latency Datacenter