

Data Center Network Fabrics

CS 838, Fall 2012

1. How does the design of the data center fabric influence compute resources? Consider both a full bisection bandwidth (e.g., Portland) and temporary high-bandwidth pathways (e.g., c-Through) network fabric design.
2. How does the design of the data center fabric influence storage? Consider both a full bisection bandwidth (e.g., Portland) and temporary high-bandwidth pathways (e.g., c-Through) network fabric design. It may be useful to think about the HDFS parameters you changed for Assignment #3.
3. How should applications be modified to best leverage each of the data center fabric designs?