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Application Context — Kernel Context

Disk
Read Buffer 1
2
Application Buffer
3
Socket Buffer 4
NIC Buffer

Kafka Cluster
Server 1 — Server 2
P0 P3   P1 P2
C1 C2   C3 C4 C5 C6
Consumer Group A — Consumer Group B

Application Context — Kernel Context
Disk
sendfile()
Read Buffer 1
2
Socket Buffer 3
NIC Buffer