Partitioning

A - M Cluster

Load Balancer

Read queries

slaves database

N - Z Cluster

Load Balancer

Read queries

slaves database

Replication
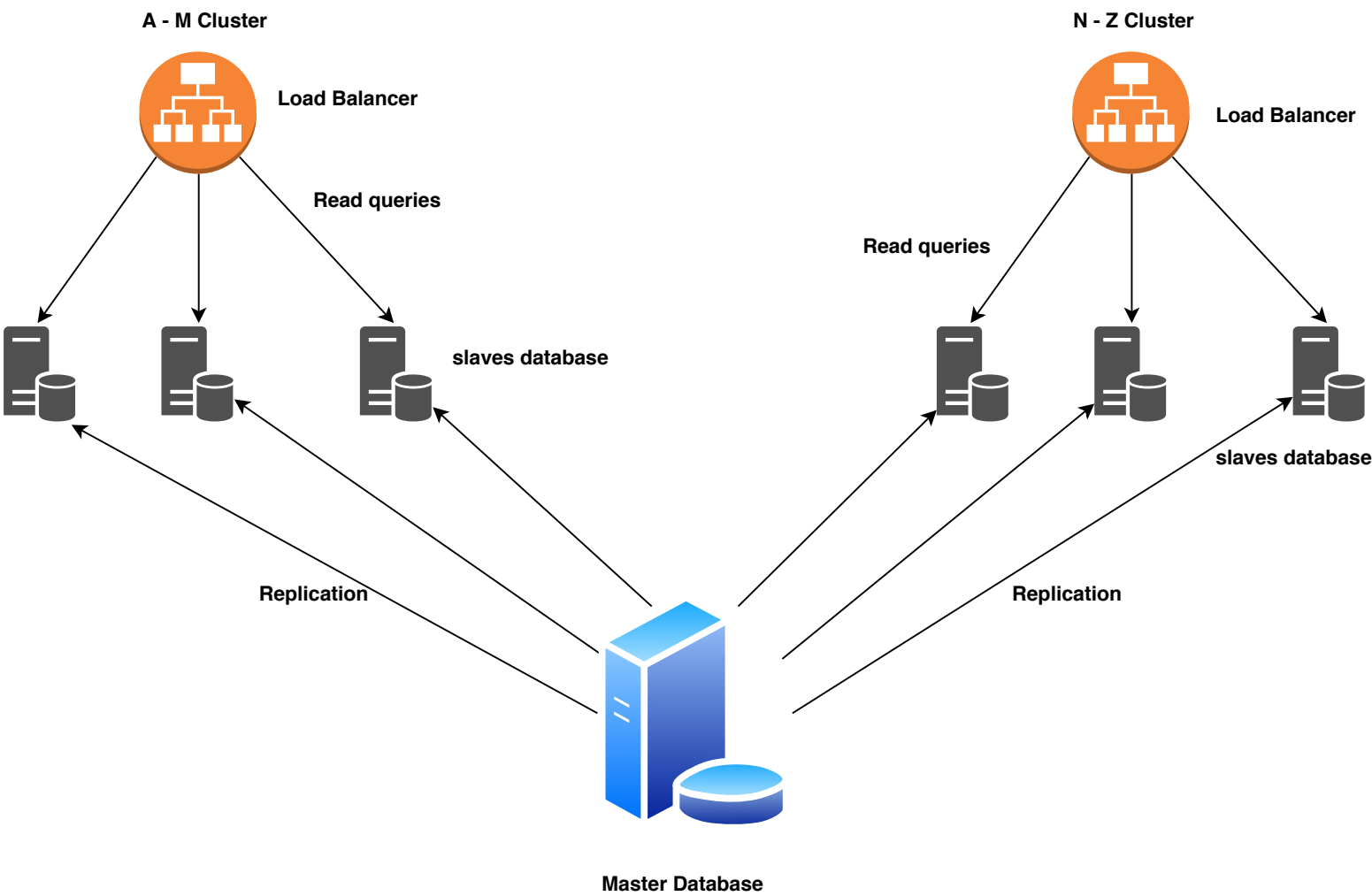
Replication

Master Database

Partitioning based on the user name / id, one load balancer handles A - M and other handles N - Z cluster.