RS 1

Base Table

WAL

VM 1

RS 2

View Table

WAL

Client

Commit Log

1. Client issues update
2. Update is written to WAL (later commited to base table)
3. Process on R1 gets notfied and checks hash ring for view manager
4. Process sends update to corresponding View Manager
5. View Manager processes update
   1. VM evaluates views
   2. VM analyses load
   3. VM queries view table
   4. VM queries base table
   5. VM calculates result
   6. VM inserts Update in View Table
   7. VM writes Update to commit log