

Handle Server Ping

Server Restarted or New Server

If Primary Restarted
Promote Backup
Viewnum ++
ACKed = false
If Backup Restarted
Viewnum ++
ACKed = false

Handle ACKed

Very First Primary



Detect all servers especially is Primary Dead? Is Backup Dead?

If Acked

Primary Dead
Promote Backup
Viewnum ++
ACKed = false
return

Backup Dead

Mark Backup as Dead

Viewnum ++

ACKed = false

return

Choose Backup from idle servers
Viewnum++
ACKed = false

Else

wait for Primary to ACK