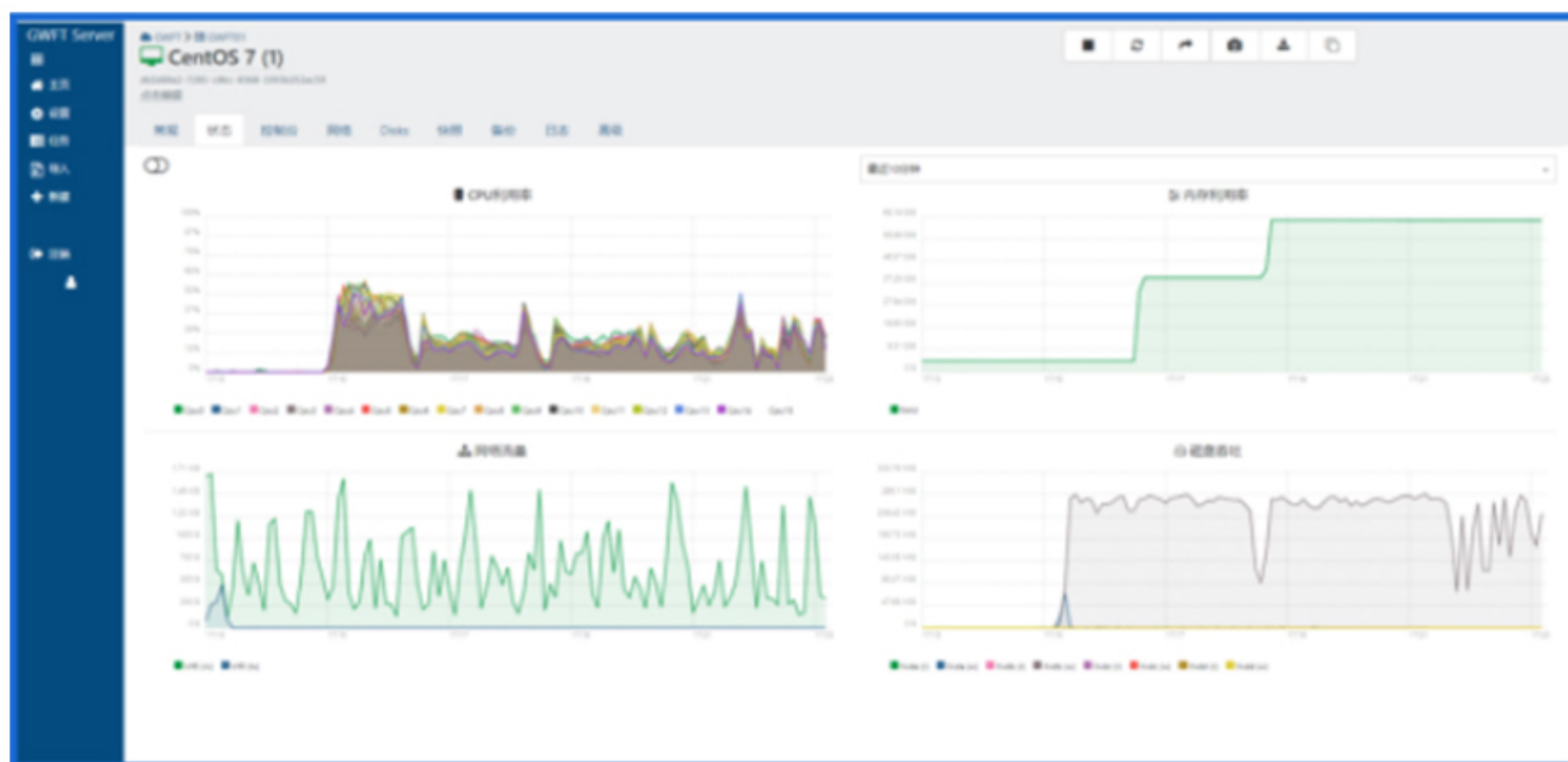


# KeeperHA: Server Redundancy Solution

KeeperHA ensures fault tolerance at the server component level. In the event of a component failure—such as a network card or disk—the system seamlessly switches to maintain uninterrupted operations, eliminating data loss. In the unlikely case of a complete server failure, the standby server instantaneously assumes control, guaranteeing 99.999% system availability.

## Centralized Management Console:



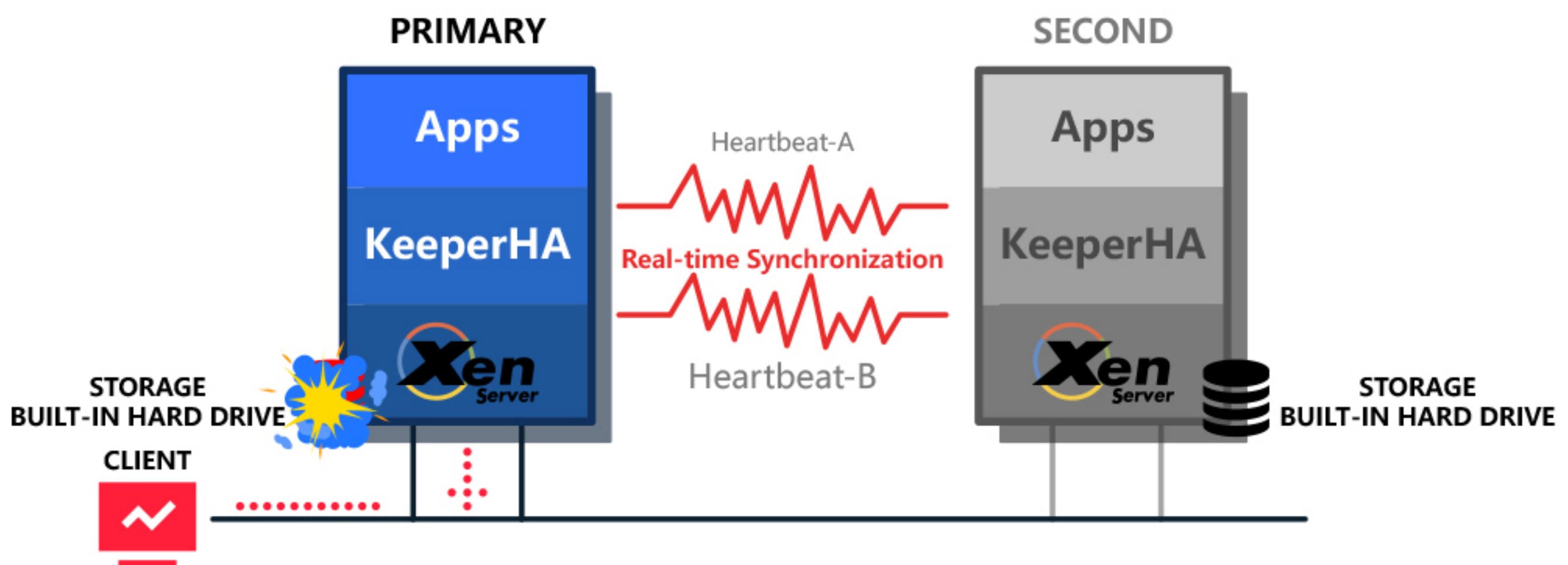
Built on a B/S architecture, KeeperHA simplifies management by resolving address conflicts caused by variations in hostnames, IPs, and MAC addresses between primary and standby servers. It also addresses authentication challenges common in Active Directory environments and systems requiring dongles.



# KeeperHA: Server Redundancy Solution

## Resilient to Diverse Fault Scenarios

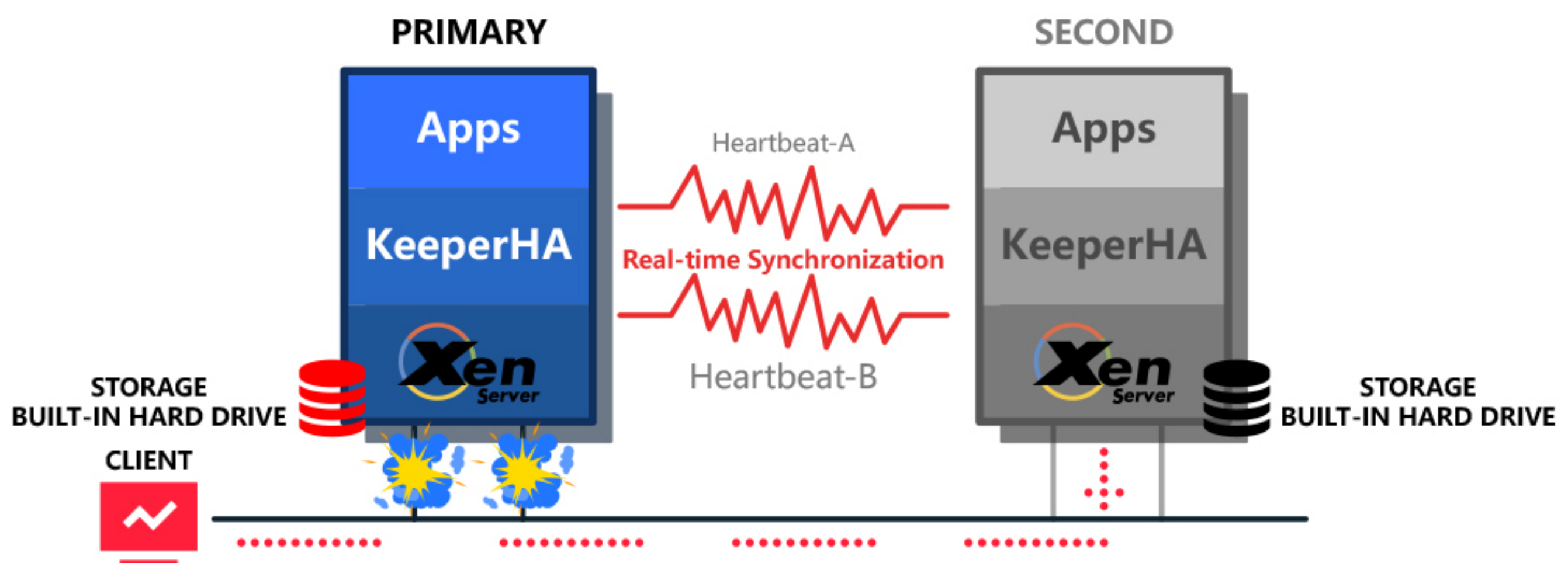
- Storage or Hard Disk Failures
  - Proactive monitoring and alerts for storage or hard disk issues.
  - Automatic switchover to the standby server upon failure, ensuring uninterrupted service.



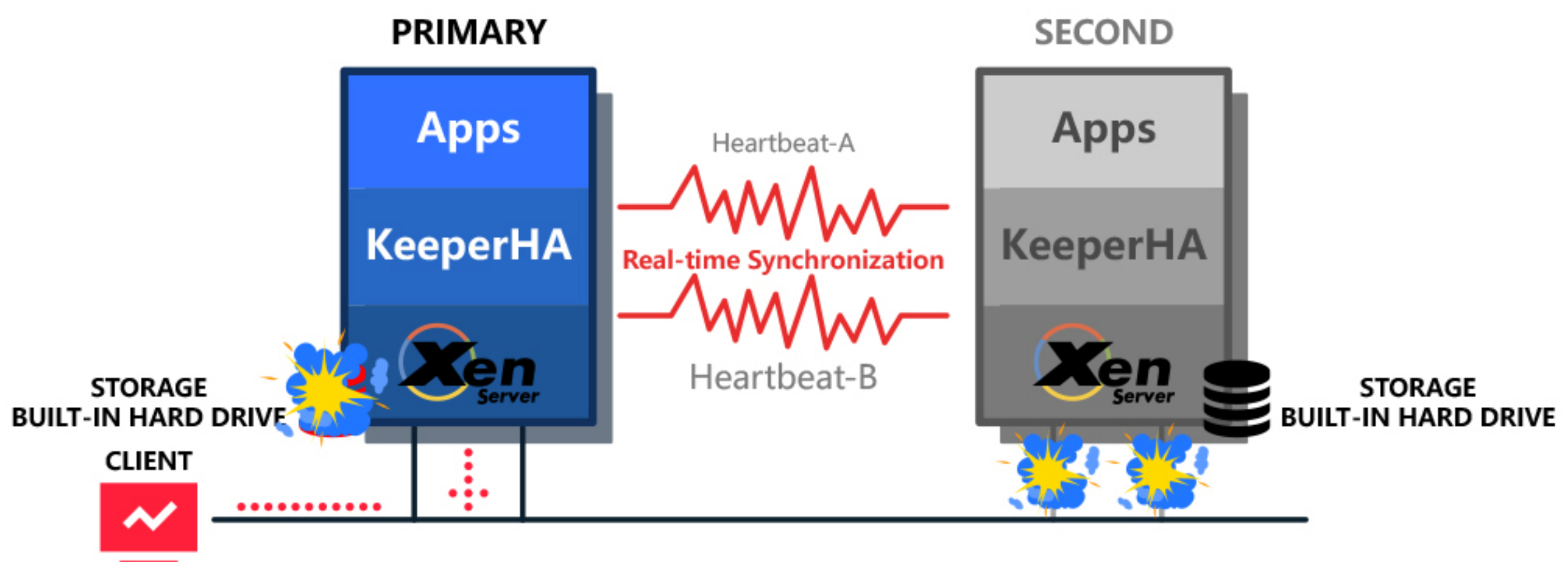
- Network Interface Failures
  - Uses Bonding and KeeperHA network redundancy technologies to provide multi-path redundancy and server-level failover.
  - In case of multiple network cable failures on the primary server, the system triggers failover while issuing alerts, ensuring seamless business continuity.



# KeeperHA: Server Redundancy Solution



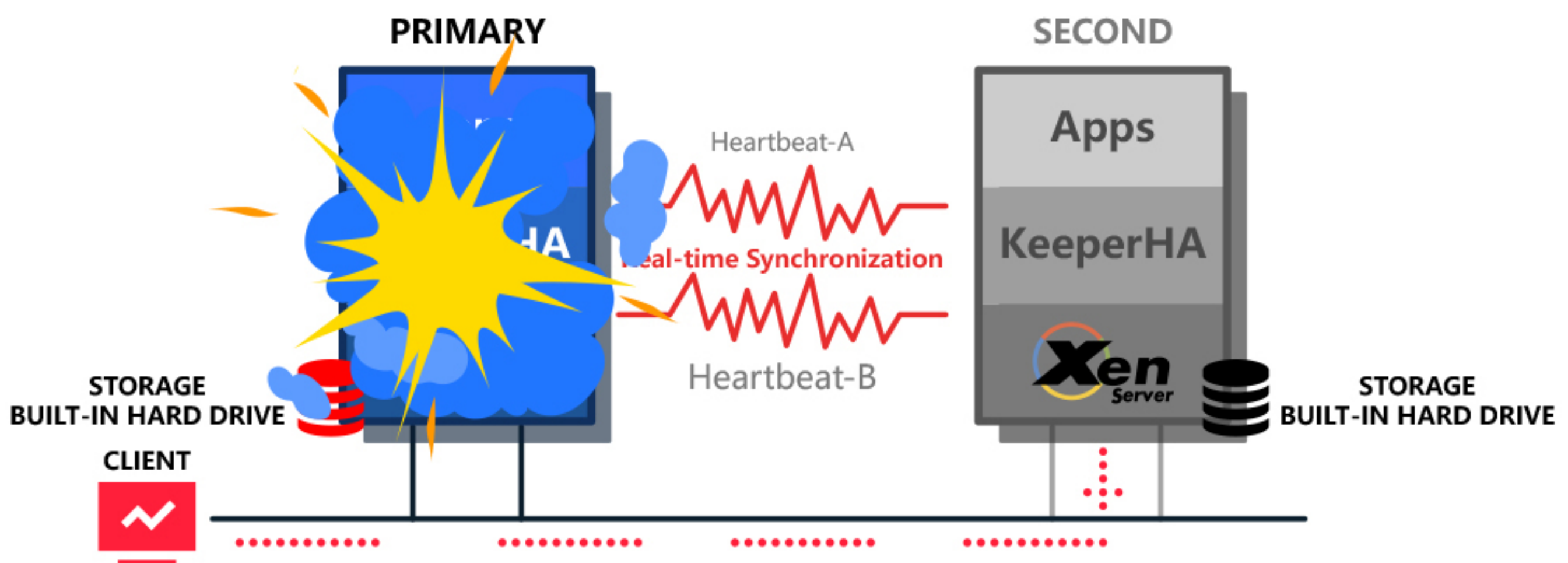
- Comprehensive Fault Support
  - Handles simultaneous storage and network card failures across both primary and standby servers.
  - Maintains zero downtime and data loss, with Recovery Time Objective (RTO) and Recovery Point Objective (RPO) at zero seconds.





# KeeperHA: Server Redundancy Solution

- Complete Server Failure
  - During critical events such as power outages, the standby server takes over operations within approximately two minutes.
  - Ensures minimal impact, with memory-stored data being recoverable from the DDC cache post-switchover.



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