

# System Anforderungen

We recommend using high quality server hardware when running Proxmox Backup in production. To further decrease the impact of a failed host, you can set up periodic, efficient, incremental [datastore synchronization](#) from other Proxmox Backup Server instances.

## Minimum Server Requirements, for Evaluation

These minimum requirements are for evaluation purposes only and should not be used in production.

- CPU: 64bit (*x86-64* or *AMD64*), 2+ Cores
- Memory (RAM): 2 GB RAM
- Hard drive: more than 8GB of space.
- Network card (NIC)

## Recommended Server System Requirements

- CPU: Modern AMD or Intel 64-bit based CPU, with at least 4 cores
- Memory: minimum 4 GiB for the OS, filesystem cache and Proxmox Backup Server daemons. Add at least another GiB per TiB storage space.
- OS storage:
  - 32 GiB, or more, free storage space
  - Use a hardware RAID with battery protected write cache (*BBU*) or a redundant ZFS setup (ZFS is not compatible with a hardware RAID controller).
- Backup storage:
  - Prefer fast storage that delivers high IOPS for random IO workloads; use only enterprise SSDs for best results.
  - If HDDs are used: Using a metadata cache is highly recommended, for example, add a ZFS [special device mirror](#).
- Redundant Multi-GBit/s network interface cards (NICs)

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