

ZFS best Practices

```
echo "options zfs zfs_arc_max=4294967296" | sudo tee -a  
/etc/modprobe.d/zfs.conf  
echo "options zfs l2arc_noprefetch=0" | sudo tee -a  
/etc/modprobe.d/zfs.conf  
echo "vfs.zfs.l2arc_write_max=134217728" | sudo tee -a  
/etc/modprobe.d/zfs.conf  
echo "vfs.zfs.l2arc_write_boost=268435456" | sudo tee -a  
/etc/modprobe.d/zfs.conf  
echo "vm.swappiness = 10" | sudo tee -a /etc/sysctl.conf
```

```
zfs set secondarycache=metadata tank  
zfs set compression=lz4 tank  
zfs set sync=disabled tank  
zfs set atime=off tank  
zfs set redundant_metadata=most tank  
zfs set xattr=sa tank  
zfs set compression=off tank/media  
zfs set compression=off tank/photos
```

```
zfs set compression=lz4 ssd  
zfs set sync=disabled ssd  
zfs set atime=off ssd  
zfs set redundant_metadata=most ssd  
zfs set xattr=sa ssd  
zfs set dedup=skein ssd
```

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