

Proxmox

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Get VM Disk Usage (assumes ZFS pool is "pool1" adjust accordingly):

```
zfs list -t volume -o name,volsize,used -r pool1 | awk 'NR==1 || $1 ~ /^pool1\/vm-/'
```

Show VM Disk Reservations in Pool (assumes ZFS pool is "pool1" adjust accordingly). if reservation is none then it's thin provision:

```
zfs get -H -o name,property,value reservation | grep '^pool1/vm-'
```

Convert Single Disk to Thin:

Verify current state

```
zfs get volsize,reservation,used pool1/vm-104-disk-1
```

Convert thick → thin

```
zfs set reservation=none pool1/vm-104-disk-1
```

Verify it took

```
zfs get volsize,reservation,used pool1/vm-104-disk-1
```

Bulk: convert all thick VM disks on pool1

1) Dry-run: show what would be changed

```
bash  
zfs get -H -o name,value reservation \
```

```
| awk '$1 ~ /^pool1\|vm-/ && $2 != "none" {print "zfs set reservation=none " $1}'
```

2) Apply: actually flip them to thin

```
bash
zfs get -H -o name,value reservation \
| awk '$1 ~ /^pool1\|vm-/ && $2 != "none" {print $1}' \
| while read disk; do
    echo "Converting $disk to thin (reservation=none)..."
    zfs set reservation=none "$disk"
done
```