☰ ✕ PROXMOX   ⚷ 📋 🔍

[SOLVED] ZFS: enable thin provisioning

👤 Valerio Pachera · 🕐 Feb 20, 2018

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⌄

Feb 20, 2018   ≺ #1

Hi all, I'm managing a proxmox 5.1-43 server.
I was not the one who installed it.
It has two main zfs volumes.

Code:

```
zpool iostat
              capacity     operations      bandwidth
pool        alloc   free   read  write   read  write
----------  -----  -----  -----  -----  -----  -----
rpool       9.99G   918G      0     22  13.9K   263K
storage      259G   629G     37     37   424K   839K
storage2     406G  1.42T     20      4   995K   169K
----------  -----  -----  -----  -----  -----  -----
```

"storage" is on ssd.
I noticed the flag Thin provisioning is note set.

I guess this way, if I set 'discard' option on a guest, it's not going to work.

Is it possible to eneable now?
Shall I shut down guests before doing that?
Are you aware of other bad conseguences?

Thank you.

Last edited: Feb 20, 2018

Mecanik

LnxBil
Famous Member

Feb 21, 2018   ≺ #2

Just enable it, it'll be used for all new datasets.

For already created ones, just reset the ZFS property refreservation:

Code:

```
root@proxmox4 ~ > zfs list rpool/data/vm-100-disk-1
NAME                      USED  AVAIL  REFER  MOUNTPOINT
rpool/data/vm-100-disk-1  132G   832G    64K  -

root@proxmox4 ~ > zfs get all rpool/data/vm-100-disk-1
NAME                      PROPERTY              VALUE              SOURCE
rpool/data/vm-100-disk-1  type                  volume             -
rpool/data/vm-100-disk-1  creation              Mi Feb 21 13:29 2018  -
rpool/data/vm-100-disk-1  used                  132G               -
rpool/data/vm-100-disk-1  available             832G               -
rpool/data/vm-100-disk-1  referenced            64K                -
rpool/data/vm-100-disk-1  compressratio         1.00x              -
rpool/data/vm-100-disk-1  reservation           none               defaul
rpool/data/vm-100-disk-1  volsize               128G               local
rpool/data/vm-100-disk-1  volblocksize          8K                 -
rpool/data/vm-100-disk-1  checksum              on                 defaul
rpool/data/vm-100-disk-1  compression           lz4                inheri
rpool/data/vm-100-disk-1  readonly              off                defaul
rpool/data/vm-100-disk-1  copies                1                  defaul
rpool/data/vm-100-disk-1  refreservation        132G               local
rpool/data/vm-100-disk-1  primarycache          all                defaul
rpool/data/vm-100-disk-1  secondarycache        all                defaul
rpool/data/vm-100-disk-1  usedbysnapshots       0                  -
rpool/data/vm-100-disk-1  usedbydataset         64K                -
rpool/data/vm-100-disk-1  usedbychildren        0                  -
rpool/data/vm-100-disk-1  usedbyrefreservation  132G               -
rpool/data/vm-100-disk-1  logbias               latency            defaul
rpool/data/vm-100-disk-1  dedup                 off                defaul
rpool/data/vm-100-disk-1  mlslabel              none               defaul
rpool/data/vm-100-disk-1  sync                  standard           inheri
rpool/data/vm-100-disk-1  refcompressratio      1.00x              -
rpool/data/vm-100-disk-1  written               64K                -
rpool/data/vm-100-disk-1  logicalused           30K                -
rpool/data/vm-100-disk-1  logicalreferenced     30K                -
rpool/data/vm-100-disk-1  snapshot_limit        none               defaul
rpool/data/vm-100-disk-1  snapshot_count        none               defaul
rpool/data/vm-100-disk-1  snapdev               hidden             defaul
rpool/data/vm-100-disk-1  context               none               defaul
rpool/data/vm-100-disk-1  fscontext             none               defaul
```

ebiss, i_am_jam, samu and 7 others

Feb 26, 2018   ≪   #3

Thank you

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Active Member

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