

[SOLVED] ZFS: enable thin provisioning

Valerio Pachera · Feb 20, 2018

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Active Member

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

pool          capacity      operations      bandwidth
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 not set.



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

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

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                 default
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                   default
rpool/data/vm-100-disk-1           compression             lz4                  inheri
rpool/data/vm-100-disk-1           readonly                off                  default
rpool/data/vm-100-disk-1           copies                  1                   default
rpool/data/vm-100-disk-1           refreservation          132G                local
rpool/data/vm-100-disk-1           primarycache            all                  default
rpool/data/vm-100-disk-1           secondarycache          all                  default
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              default
rpool/data/vm-100-disk-1           dedup                    off                  default
rpool/data/vm-100-disk-1           mlslabel                 none                 default
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                 default
rpool/data/vm-100-disk-1           snapshot_count           none                 default
rpool/data/vm-100-disk-1           snapdev                  hidden               default
rpool/data/vm-100-disk-1           context                  none                 default
rpool/data/vm-100-disk-1           fscontext                 none                 default

```

ebiss, i_am_jam, samu and 7 others



Valerio Pachera

Active Member



Feb 26, 2018

Thank you

🔗 #3

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