



Space reclamation issue with SUSE host

https://kb-stage.netapp.com/on-prem/ontap/OHW/OHW-KBs/Space_reclamation_issue_with_SUSE_host

Updated: Wed, 22 Apr 2026 02:10:15 GMT

Applies to

- ONTAP 9
- SUSE Host

Issue

- Unable to reclaim the volume space after data has been deleted on host.
- Both volume(**Space Guarantee=volume**) and underlying LUN's (**space reservation=enabled and space allocation disabled**) are thick provisioned.

```
::> lun show -vserver vs -path /vol/voll/xxx -instance
```

```
Space Reservation: disabled
```

```
Space Reservations Honored: false
```

Space Allocation: disabled

```
::>volume show -vserver vs1 -volume voll
```

Space Guarantee Style: volume

Space Guarantee In Effect: true

- The LUNs are showing 0B space available on host end, but on storage end we do not see the LUN being full.
- EMS reports [space-error for the lun but is not full](#).
- The volume space continues to grow even after the customer expanded the volume.

```
Fri Apr 21 12:00:00 IST [NetApp: waf1_exempt05:  
waf1.spacemgmt.policyChg:notice]: The space management policy for volume xxx  
has changed: autosize volume maximum size 15397457760KB.
```

```
Fri Apr 21 13:53:00 IST [NetApp: waf1_exempt12:  
LUN.space.resv.not.honored:notice]: Space reservations in volume xxx (DSID  
xxx2) are not honored, either because the volume space guarantee is set to  
'none' or it is disabled due to lack of space in its containing aggregate.
```

```
Sat Apr 22 08:04:00 IST [NetApp: VdomFSMThr_16: LUN.out.of.space:EMERGENCY]:  
LUN /vol/volx/xxx, vol xxx (DSID xxx2) is out of space (UUID:  
9b7d30f5-7583-4aa8-a255-e9ea30fb3xxx).
```

- The volume xxx is over provisioned.
- The volume with size of 14TB has 14 LUNs with total size of 22TB
 - Total volume space is 14.45TB
 - Used space is 13.6TB and Available space is 1.86TB
- The volume has total 14 LUNs and total space consumed by these LUNs = 22TB
- Volume details shows '~~fractional-reserve~~' is **0%** where as by default it should be **100%** for a volume with `space-guarantee volume`. The same can be verify dusing below command:
`vol show -vserver <vserver_name> -volume <vol_name> -fields fractional-reserve, space-guarantee`
- **Space reservation honored is set to false** as per the output-`lun show -vserver <vserver_name> -volume <volume_name> -fields space-reserve-honored,space-reserve`
- 'space-reserve-honored' for the thick LUN changes to 'false' when the underline volume has 'fractional-reserve' as 0%