ONTAP Essentials

Cloud Insights

NetApp
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ONTAP Essentials

ONTAP Essentials is a set of dashboards and workflows that provide detailed overviews of your ONTAP inventories and workloads. You may see the following terms used when working in ONTAP Essentials:

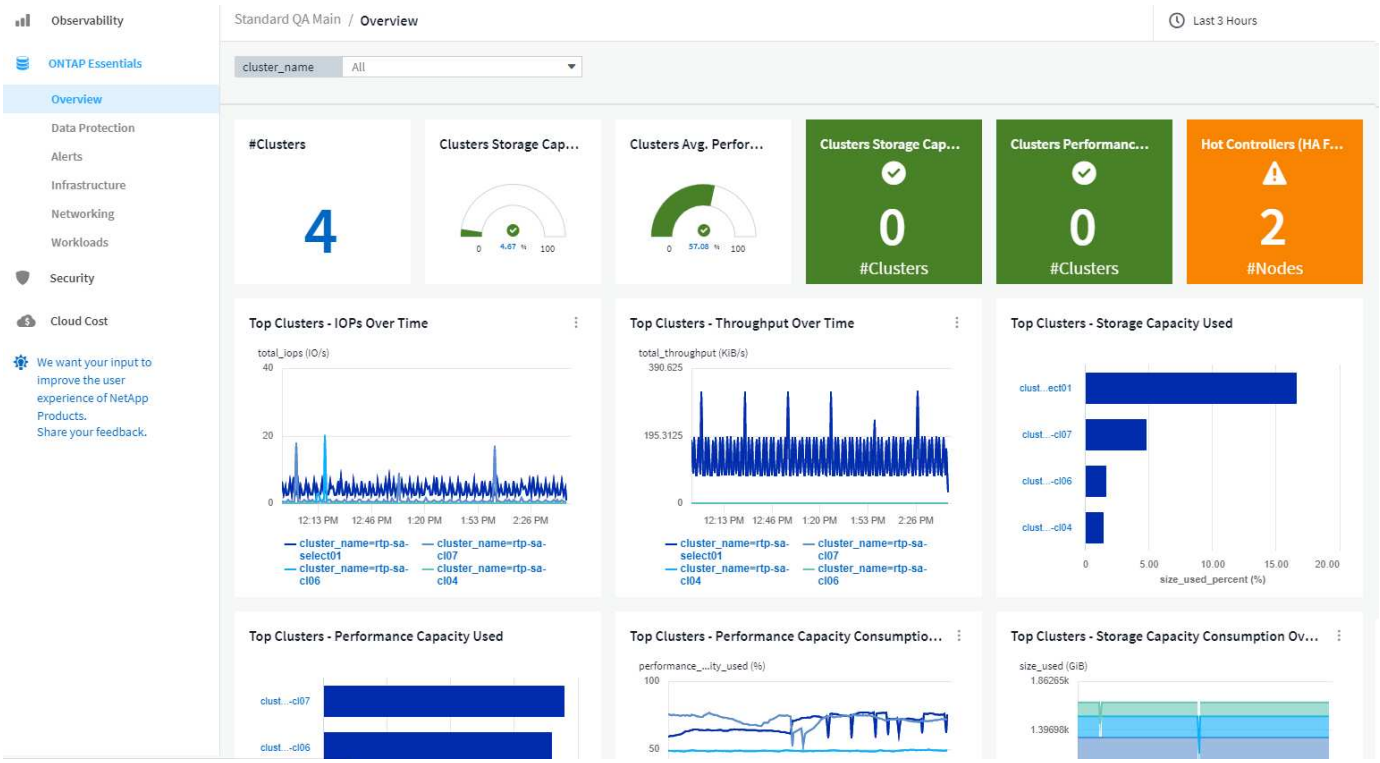
- Infrastructure/Inventory: Objects that provide storage/networking services to user data
- Workloads: Objects that provide interface to users to read/write data.
- Data Protection: Objects that can be protected using NetApp data protection technologies

For additional terms and definitions related to ONTAP, see the ONTAP Data Collector documentation.

ONTAP Essentials requires at least one working ONTAP data collector with data collected within the last seven days.

Overview

To begin exploring, select **ONTAP Essentials** from the main Cloud Insights menu.



The **Overview** dashboard displays useful information like the number of clusters in your environment with their overall capacity and performance percentages. You will also see predictive data regarding the number of expected days until storage capacity or performance capacity runs out of space. And if any controllers in your infrastructure are running at high temperatures, ONTAP Essentials will show you those.

Informative graphs give you a look into performance over time as well as breakdowns of capacity usage.

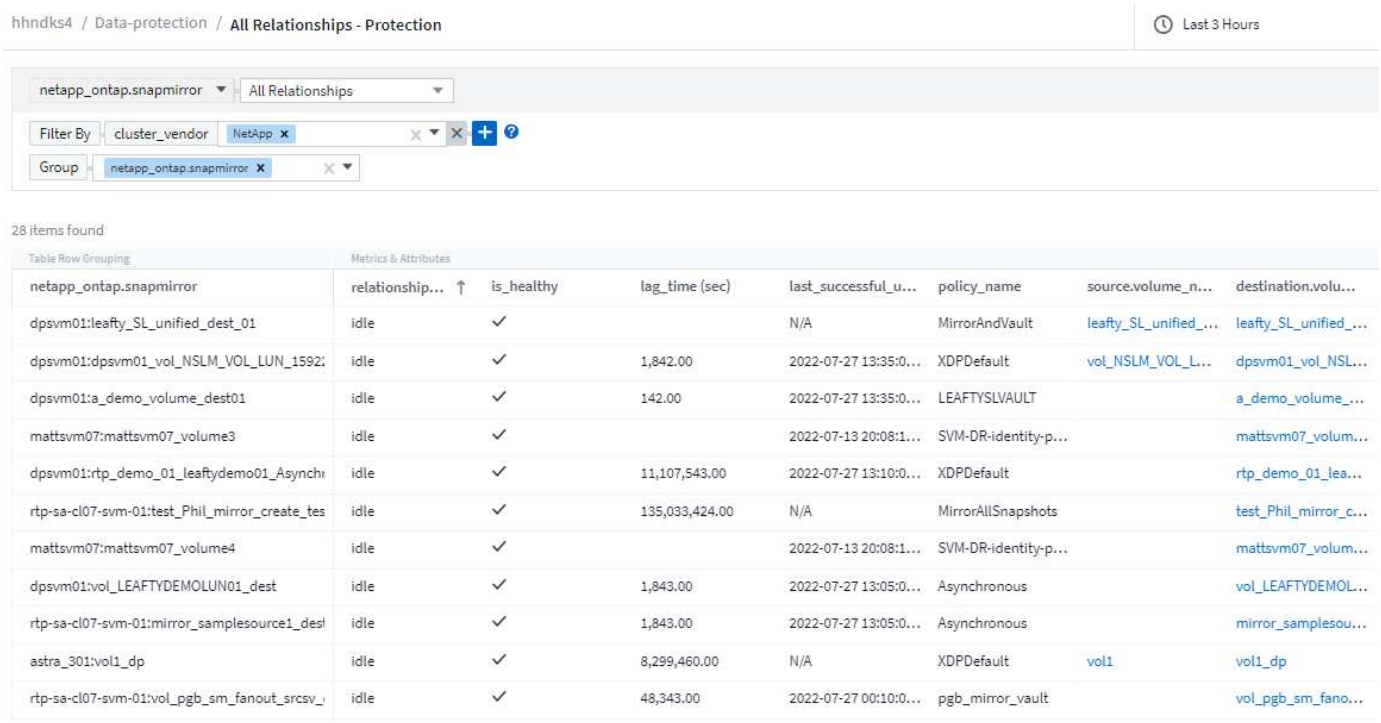
Each of these graphs or data points can be used as a starting point for exploration or investigation.

Note: A "days to full" number of "0" (zero) indicates that days to full is estimated at greater than 90 days. In

other words, your systems aren't in danger of running out of space any time soon.

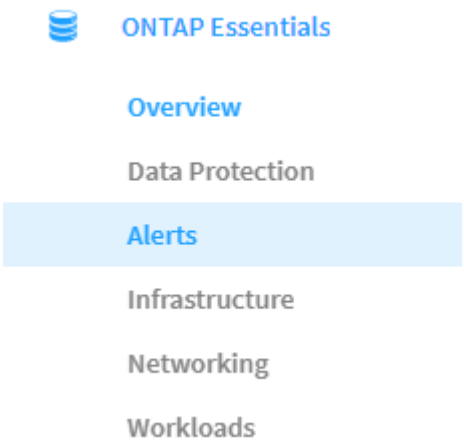
Data Protection

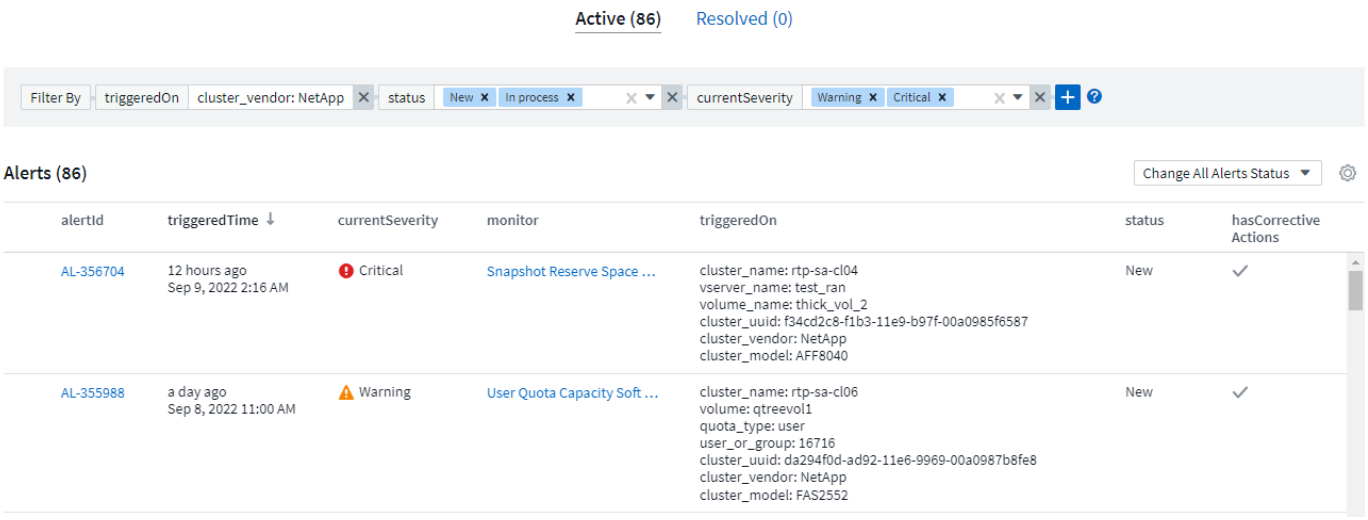
Select the **Data Protection** page to view SnapMirror relationships. Click through to source or destination volume information, or click the gear icon to add columns for the data you wish to view.



Alerts

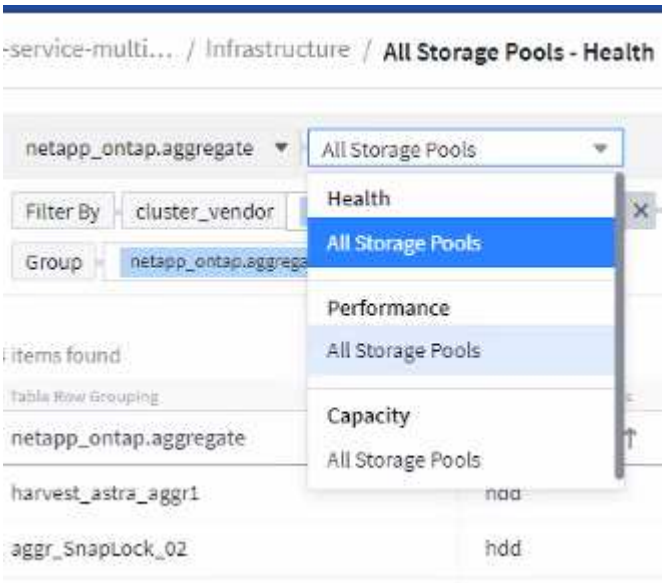
Here you can view the Active alerts in your environment and quickly drill down into potential problems. Select the *Resolved* tab to view alerts that have been resolved.



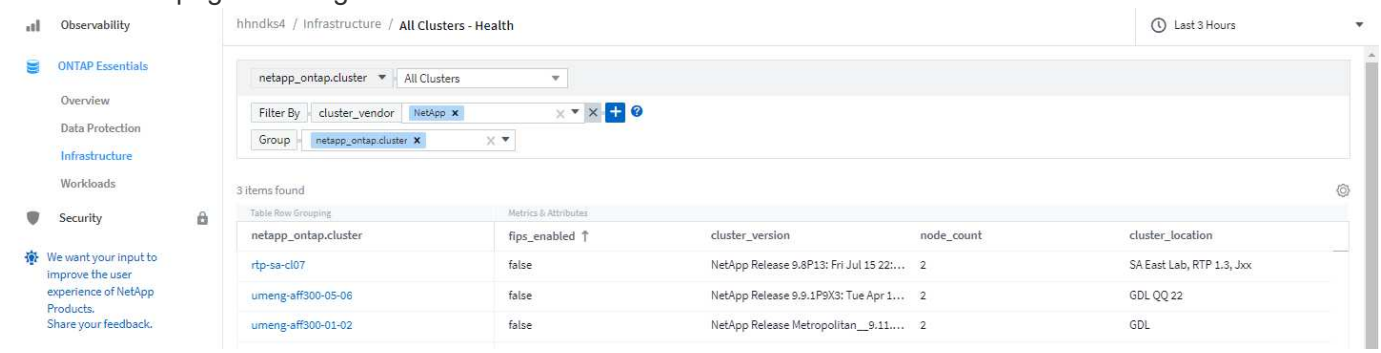


Infrastructure

The ONTAP Essentials **Infrastructure** page gives you a view of cluster health and performance, using pre-built (yet further customizable) queries on all the basic ONTAP objects. Select the object type you wish to explore (cluster, storage pool, etc.) and choose whether to view health or performance information. Set filters to dive deeper into individual systems.

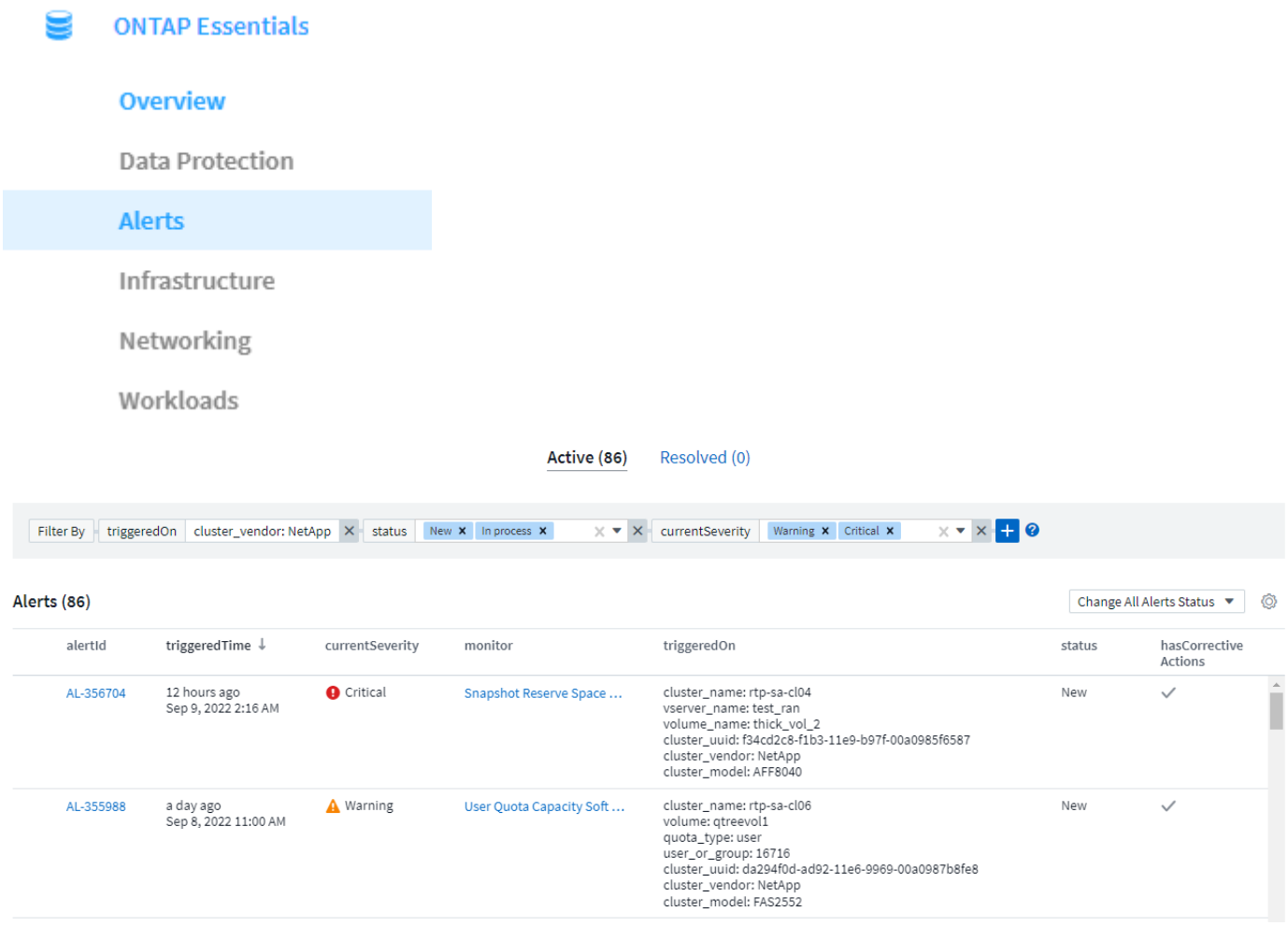


Infrastructure page showing cluster health:



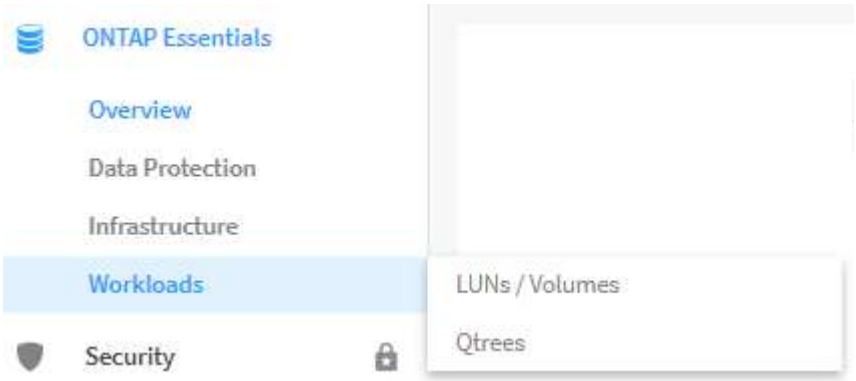
Networking

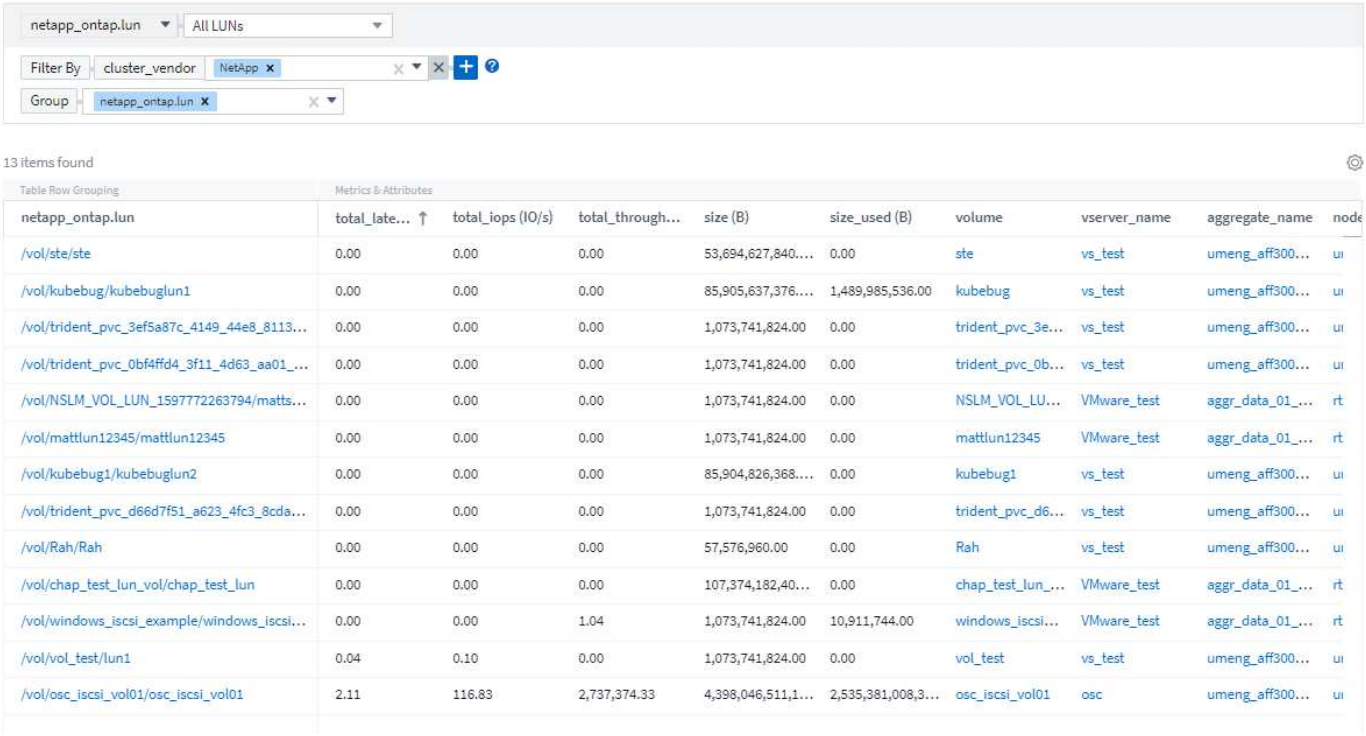
ONTAP Essentials Networking gives you views into your FC, NVME FC, Ethernet, and iSCSI infrastructure. On these pages you can explore things like ports in your clusters and their nodes.



Workloads

View and explore workloads on LUNs/Volumes, NFS or SMB Shares, or Qtrees in your environment.




netapp_ontap.lun
All LUNs
Filter By
cluster_vendor
NetApp
Group
netapp_ontap.lun
13 items found
Table Row Grouping
Metrics & Attributes
netapp_ontap.lun
total_late...
total_iops (IO/s)
total_through...
size (B)
size_used (B)
volume
vserver_name
aggregate_name
/vol/ste/ste 0.00 0.00 0.00 53,694,627,840.... 0.00 ste vs_test umeng_aff300...
/vol/kubebug/kubebuglun1 0.00 0.00 0.00 85,905,637,376.... 1,489,985,536.00 kubebug vs_test umeng_aff300...
/vol/trident_pvc_3ef5a87c_4149_44e8_8113... 0.00 0.00 0.00 1,073,741,824.00 0.00 trident_pvc_3e... vs_test umeng_aff300...
/vol/trident_pvc_0bf4ffd4_3f11_4d63_aa01_... 0.00 0.00 0.00 1,073,741,824.00 0.00 trident_pvc_0b... vs_test umeng_aff300...
/vol/NSLM_VOL_LUN_1597772263794/matts... 0.00 0.00 0.00 1,073,741,824.00 0.00 NSLM_VOL_LU... VMware_test aggr_data_01_...
/vol/mattlun12345/mattlun12345 0.00 0.00 0.00 1,073,741,824.00 0.00 mattlun12345 VMware_test aggr_data_01_...
/vol/kubebug1/kubebuglun2 0.00 0.00 0.00 85,904,826,368.... 0.00 kubebug1 vs_test umeng_aff300...
/vol/trident_pvc_d66d7f51_a623_4fc3_8cda... 0.00 0.00 0.00 1,073,741,824.00 0.00 trident_pvc_d6... vs_test umeng_aff300...
/vol/Rah/Rah 0.00 0.00 0.00 57,576,960.00 0.00 Rah vs_test umeng_aff300...
/vol/chap_test_lun_vol/chap_test_lun 0.00 0.00 0.00 107,374,182,40... 0.00 chap_test_lun_... VMware_test aggr_data_01_...
/vol/windows_iscsi_example/windows_iscsi... 0.00 0.00 1.04 1,073,741,824.00 10,911,744.00 windows_iscsi... VMware_test aggr_data_01_...
/vol/vol_test/lun1 0.04 0.10 0.00 1,073,741,824.00 0.00 vol_test vs_test umeng_aff300...
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