

zadara

zStorage Release Notes

Release 20.12-SP2

Zadara

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This document describes the Zadara Storage Cloud release notes. These release notes contain important information available at the time of the release. New features, important bug fixes, known limitations are addressed here.

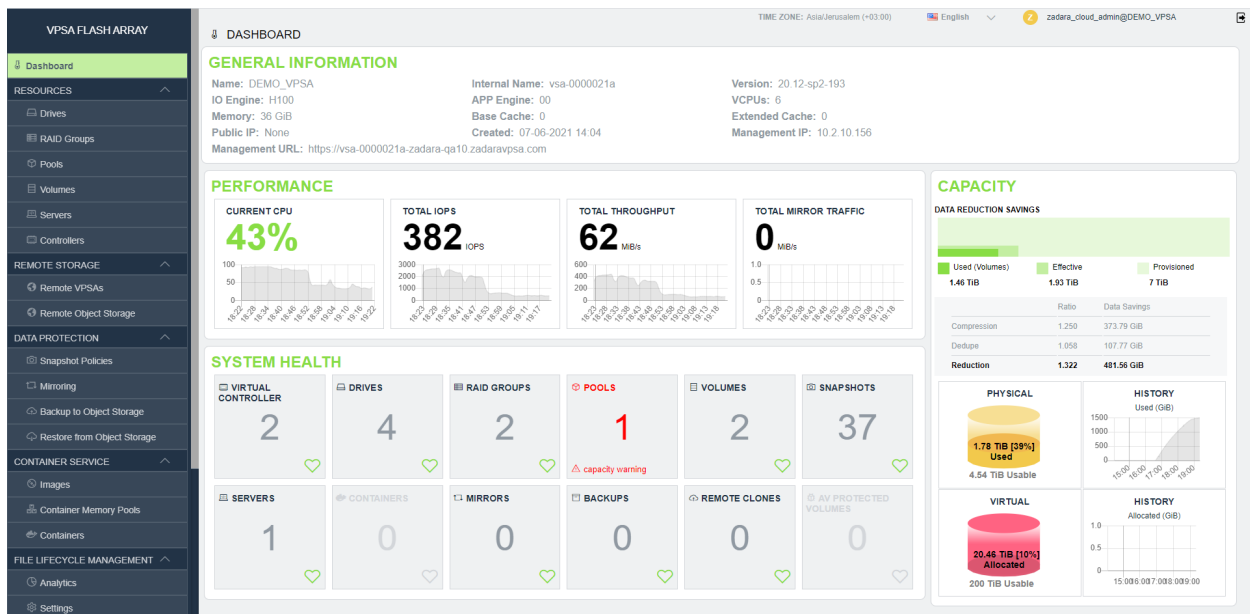
KEY ENHANCEMENTS

1.1 New management graphical interface

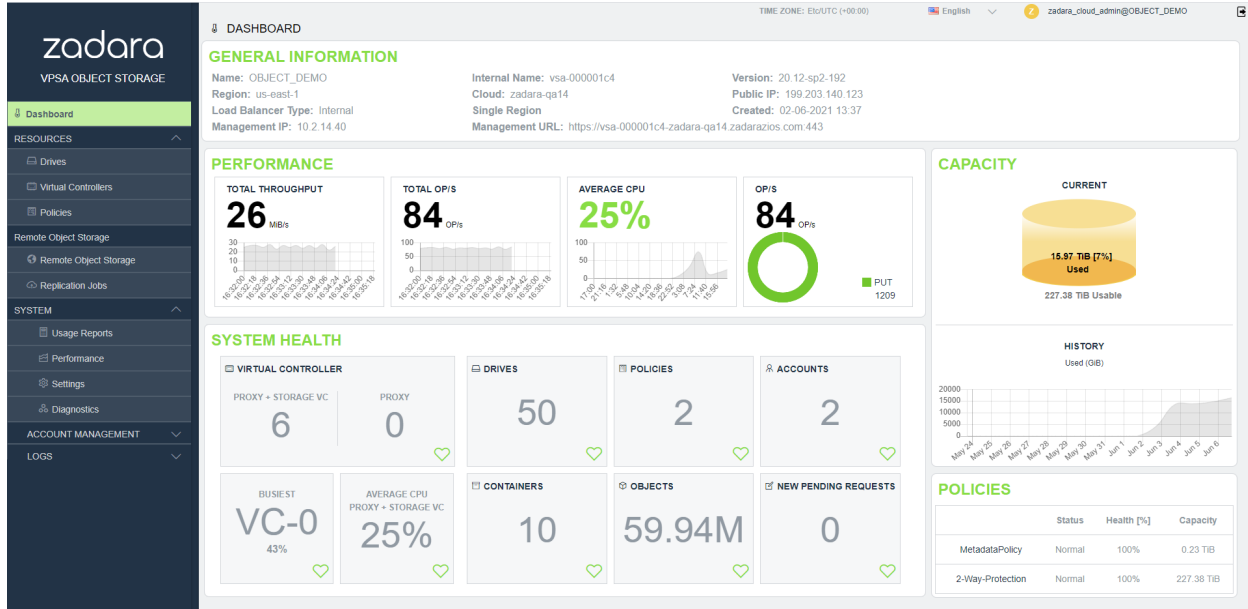
We're excited to announce the availability of our revised VPSA graphical user interface. The dashboard was redesigned to provide a snapshot to the VPSA Storage Array/Flash-Array/Object Storage state:

- Current workload
- Capacity utilization and trend
- Resources status

1.1.1 VPSA Flash-Array dashboard



1.1.2 VPSA Object Storage dashboard



1.2 VPSA Storage Array

1.2.1 Support Azure BLOB as an Object Storage tier

Azure BLOB can be used in the VPSA Flash-Array as an Object Storage Tier.

1.2.2 Support replacement of KMIP KMS key UUID used in the VPSA

KMS keys that were rotated can now be replaced with a new key in the VPSA management interface.

1.3 VPSA Object Storage

1.3.1 Container level replication

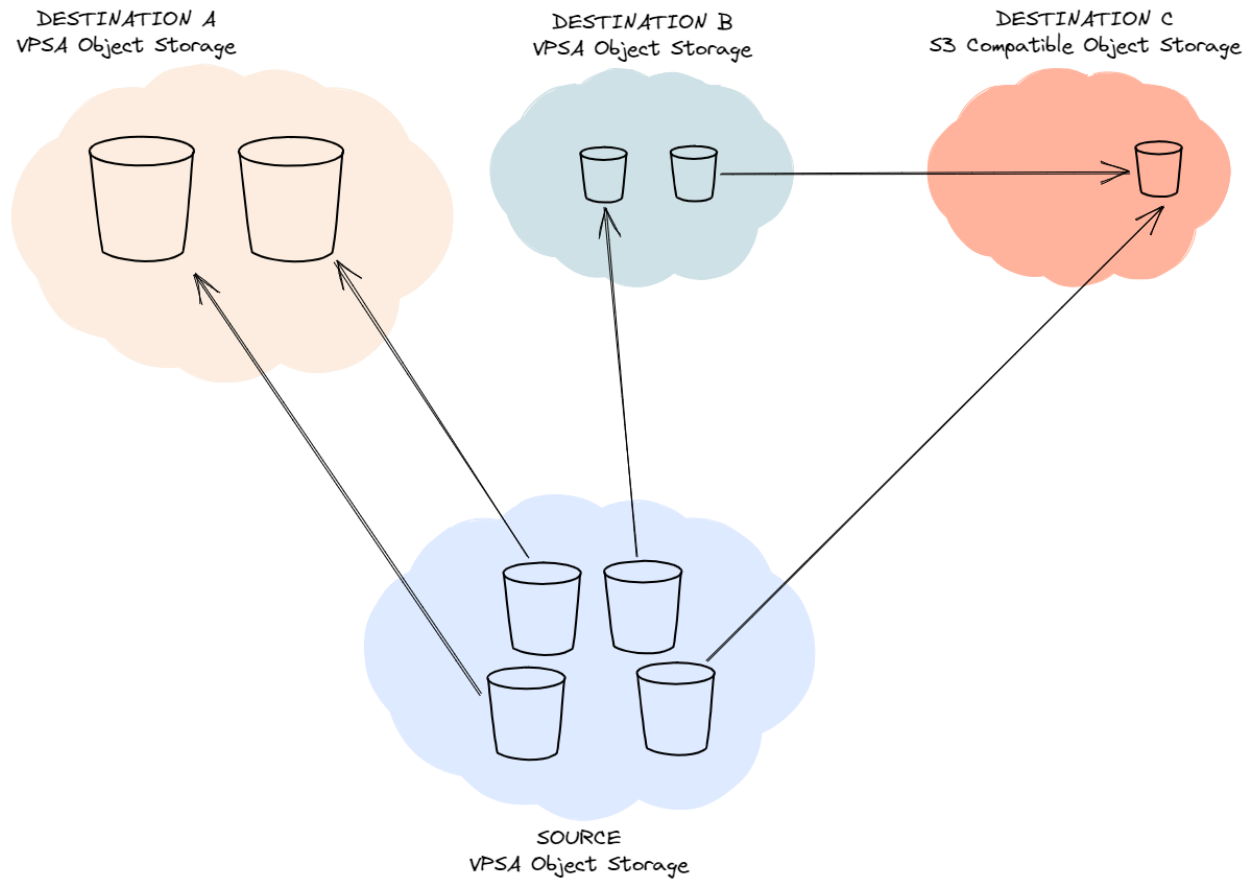
Container level replication allows an asynchronously object replication between Zadara's VPSA Object Storage to a remote VPSA Object Storage or other S3 compatible Object Storage.

Zadara's container level replication unblocks a new set of replication scenarios:

- Move the data closer - Container replication can reduce latency for read operations by allowing the data to be consumed from the closest proximity.
- Distribution - post processing, the data can be shifted to additional locations.
- Optimizing cost - replicating the data to a remote location that uses a cheaper protection policy.
- Data redundancy - you can maintain an additional copy of your data in an additional location (VPSA Object Storage, AWS S3 or any other s3 compatible storage)

The container level replication feature will be ready to use on any Zadara VPSA Object Storage that is running version 20.12-SP2 or later.

Configuring replication job may incur additional charges for data transfer, please contact your cloud administrator for additional information.



1.4 Interoperability

1.4.1 CSI Driver

Zadara's VPSA Kubernetes CSI driver updated - Version 1.3.6 is now publicly available. The full list of changes is available in the [CSI 1.3.6](#) section of the release notes. The latest driver installation and usage information can be found at [Zadara's CSI Github repository](#)

CHANGELOG

Release 20.12-SP2 is a service pack release to the previous Zadara 20.12-SP1 release which includes scalability, security, usability improvements, new features and bug fixes.

The following section will breakdown the additions and updates to the Zadara Storage Cloud platform.

2.1 Version 20.12-SP2-247

2.1.1 VPSA Storage Array

- **ZSTRG-18306** - Allow allocation of two VNIs (Virtual Network Interfaces) with a matching VLAN ID

2.1.2 VPSA Object Storage

- **ZSTRG-18306** - Allow allocation of two VNIs (Virtual Network Interfaces) with a matching VLAN ID
- **ZSTRG-18971** - Fix an issue with ZELB IPv6 routing table in a Multi-Zone storage cloud

2.2 Version 20.12-SP2-239

2.2.1 VPSA Storage Array

- **ZSTRG-15673** - Allow VNI based remote mirroring on different networks. **Limitation:** Mirror replication over VNIs with different CIDR is applicable only if single VNI is attached to VPSA
- **ZSTRG-18049** - Fix an issue where the management console will not start post a failover

2.3 Version 20.12-SP2-233

2.3.1 VPSA Storage Array

- **ZSTRG-17452, ZSTRG-17453** - Flash Array, optimize zCache flush control to allow more affective flushing
- **ZSTRG-17367** - Flash Array Optimize zCache rules
- **ZSTRG-15227** - Fixed an issue where a false alarm HB failure ticket was raised during VC creation/upgrade.

2.3.2 VPSA Object Storage

- **ZSTRG-15227** - Fixed an issue where a false alarm HB failure ticket was raised during VC creation/upgrade.
- **ZSTRG-17427** - Fixed an issue where proxy server return 404 for an existing Object version
- **ZSTRG-15840** - Fixed an issue in which multi-delete request could fail to delete object (Error 412)

2.3.3 Storage Node

- **ZSTRG-15793** - Cloud installer will not upgrade the existing SIOM firmware

2.4 Version 20.12-SP2-229

2.4.1 VPSA Storage Array

- **ZSTRG-16980** - Fixed an issue where name servers entries order prevents connecting to Active Directory.

2.5 Version 20.12-SP2-228

2.5.1 VPSA Flash Array

- **ZSTRG-15797** - Optimize CPU utilization and IO latency on a tiered pool volume.

2.6 Version 20.12-SP2-225

2.6.1 VPSA Storage Array

- **ZSTRG-15800** - Fixed an issue where VMware encrypted NFS shares failed to complete VM vMotion
- **ZSTRG-15701** - Fixed a backward compatibility issue with MIB OIDs

2.7 Version 20.12-SP2-223

2.7.1 VPSA Storage Array

- **20556** - Fixed an issue where released VNI information was not dumped immediately
- **20567** - Fixed a rare issue where MTU changes were not propagated properly to existing VNIs

2.7.2 Storage Node

- **20530** - Fixed a rare issue where scheduled logs collection caused a storage node reboot.

2.8 Version 20.12-SP2-220

2.8.1 VPSA Object Storage

- **20380** - Fixed an issue with container sharding mechanism for V2 versioning enabled containers
- **20406,20418** - Fixed an issue where metadata read request for an object erroneously returned a failure
- **20415** - Fixed an issue where s3 delete bucket request fails

2.8.2 CSI 1.3.6

- **16990** - Added support to CSI snapshot API v1GA
- **16990** - Added support for VPSA IPv6 connectivity
- **20373** - Added support for driver installation using helm repository
- **20254** - Helm chart - support custom docker registry
- **20182** - Added support for custom CA certificate
- **20397** - Fixed an issue when disabling autoExpandSupport
- **20165** - Added support for HTTPS insecure mode
- **17395** - Added support to customize target namespace
- **20166** - Github repository documentation updates

2.9 Version 20.12-SP2-217

2.9.1 VPSA Object Storage

- **20235, 202272** - Improve S3 list-object-versions API performance for versioned containers with a large number of objects
- **20317** - Fixed a rare issue in 20.12-SP2 where closing a GET session prematurely will impact the proxy service

2.10 Version 20.12-SP2-204

2.10.1 VPSA Storage Array and VPSA Flash Array

- **18640, 20019, 19239** - Samba upgraded, include misc fixed for service panic
- **19948** - Fixed an issue where a metering DB update issue triggered a failover
- **19499** - Fix an issue with records filtering in the management GUI

2.10.2 VPSA Object Storage

- **20276** - Fixed an issue where Object Storage Virtual Controller failed due to a kernel panic
- **19370** - Add the ability to select the networking interface information that will be used for users email notifications
- **19314** - Added Data Policy accurate breakdown of the data utilization
- **18721** - Added account utilization information in the main account grid
- **19682** - Fix an issue where console was inaccessible if using the VNI network interface
- **19483** - Region field was added to the zios_admin account information page
- **19770** - Fixed an issue with the Usage Report formatting display
- **19737** - Fixed an issue where clients couldn't establish TLS connection while using a custom TLS certificate (found in version 20.12)

2.10.3 Provisioning Portal

- **19537** - Added Provisioning API for Object Storage accounts

KNOWN ISSUES AND LIMITATIONS

3.1 VPSA Storage Array

- **ZSTRG-18222** - Mirror replication over VNIs with different CIDR is applicable only if single VNI is attached to VPSA

3.2 VPSA Object Storage

- **19979** - Object replication doesn't support replication for containers with object-lock enabled. Container Replication will not detect versioning nor Object-Lock status of the remote Object Storage. Life cycle policy will not be created on the remote object storage as well.
- **20295** - Object Storage main dashboard operations breakdown display a summary of operations instead of concurrent operation breakdown.