



Hewlett Packard
Enterprise

HPE OmniStack 3.7.6 for vSphere Release Notes

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HPE OmniStack Release Notes

This document contains important product information and restrictions for HPE OmniStack software from Hewlett Packard Enterprise Corporation.

HPE OmniStack 3.7.6 software from Hewlett Packard Enterprise Corporation provides bug fixes and enhancements. HPE OmniStack is the software installed on your platform and HPE SimpliVity Plug-in for vSphere Web Client is the tool that you use to manage the HPE SimpliVity virtual objects.

NOTE:

You can also manage HPE SimpliVity objects through the HPE OmniStack CLI and the HPE OmniStack REST API.

Fixed in this release

This release of HPE OmniStack software fixes these issues.

Category	Description
Backup	OMNI-10195: Data temporarily unavailable when HPE OmniStack host reaches 100% capacity. This issue is resolved and now correctly causes HA non-compliance which allows the HA peer to provide the data.
Datastore	OMNI-40996: Default backup policy link not working in the HPE SimpliVity datastore portlet. If you use HPE SimpliVity Plug-in for vSphere Web Client and select a datastore to view details in the Summary tab, the Default backup policy link in the portlet now functions.
General restrictions and known issues	OMNI-47683: Improper management of memory pool objects could lead to core errors caused by a segmentation violation. The code was corrected to manage memory correctly and avoid the core errors.
Upgrade	OMNI-50194: Backup policies didn't display correctly through the HPE SimpliVity Plug-in for vSphere Web Client after HPE OmniStack upgrade.

New in this release

This version of HPE OmniStack software adds these features.

Feature	Description
Platforms	Enhancements for the HPE SimpliVity 2600 Gen10 Family of Servers including: <ul style="list-style-type: none">• Single Socket and 128 GB memory per CPU options (ROBO only).• 8 and 10 core CPU support (ROBO only). This configuration is only supported with dual CPUs.

Feature	Description
	<ul style="list-style-type: none"> • Updated data drive RAID configuration for increased storage capacity and enhanced VDI and ROBO support. • 4 node configuration support for HPE SimpliVity 170 Gen10 solutions. • 800 watt PSU support.
Heterogeneous federation support	<p>A federation can now contain the HPE SimpliVity 2600 Gen10 Family of Servers models. But, you must deploy them to a cluster that does not contain other types of HPE OmniStack hosts (for example, other HPE SimpliVity models or Dell, Cisco, or Lenovo models). The HPE SimpliVity 2600 Gen10 Family of Servers must reside in their own cluster within the federation.</p>
Upgrade Manager	<p>Upgrade Manager now allows you to:</p> <ul style="list-style-type: none"> • Upgrade ESXi software on a host in a single-node cluster • Upgrade ESXi software when the cluster contains a mix of hosts from different companies (for example, HPE, Dell, and Cisco)
FIPS 140-2 Level 1 support	<p>Federal Information Processing Standards (FIPS) are standards and guidelines that the United States National Institute of Standards and Technology (NIST) issues for federal government computer systems. FIPS Publication 140-2 is a security standard used to accredit cryptographic modules. You can run HPE OmniStack software with FIPS 140-2 Level 1 support by executing HPE OmniStack CLI commands.</p>

Supported configurations, requirements, and constraints

This section provides information about supported software and firmware versions, environmental requirements, and network configuration constraints.

Supported platforms

This version of HPE OmniStack software supports these platforms:

- HPE SimpliVity 2600 Gen10 Family of Servers:
 - HPE SimpliVity 170 Gen10
 - HPE SimpliVity 190 Gen10
- HPE SimpliVity 380 Gen9
- HPE SimpliVity 380 Gen10

NOTE:

HPE SimpliVity 2600 Gen10 Family of Servers and non-HPE SimpliVity 2600 Gen10 Family of Servers (regardless of node capacities or vender type) must not be deployed in the same cluster. Doing so will result in a DU due to incompatibilities for intra-cluster communication between the nodes.

This version of HPE OmniStack software supports upgrades (only) for the following legacy platforms:

- OmniCube CN-1200, CN-1400, CN-2000, CN-2200, CN-2400, CN-2400-E, CN-2400-F, CN-3000, CN-3400, CN-3400-E, CN-3400-F, CN-5000, CN-5400, CN-5400-E, CN-5400-F
- OmniStack Integrated Solution with Cisco UCS C240M3S
- OmniStack Integrated Solution with Cisco UCS C240 M4SX
- OmniStack Solution with Lenovo x3650 M5

Software revisions

The latest supported configuration information for this software release is found in the *Interoperability Guides* available from **Customer Support (support.hpe.com)**. A Hewlett Packard Enterprise customer account is required to access this document.

NOTE:

- With the exception of VMware vCenter Server and VMware vSphere Web Client revisions specified in the *Hewlett Packard Enterprise Interoperability Guides*, obtain and install HPE OmniStack software and upgrades from Hewlett Packard Enterprise only.
- Do not apply any upgrades or patches to installed software unless you are advised to do so by Hewlett Packard Enterprise or by your support provider.
- Do not allow Automatic VMware Updates to update the HPE OmniStack software on hosts.

Factory Reset and Factory Upgrade images are also available for specific versions of ESXi. Contact **Customer Support (support.hpe.com)** if you are unsure which version to use or if you do not have the correct media.

Firmware revisions

The HPE OmniStack software requires that each supported platform is running a specific firmware revision. To avoid compatibility issues, contact **Customer Support (support.hpe.com)** before making any firmware changes.

For information about the supported firmware revisions for each HPE OmniStack release, see the *Interoperability Guide* for your platform.



Caution:

If your system, or any management software, has automatic system updates enabled, disable this feature to avoid installing unsupported firmware revisions.

Software upgrade paths

Supported upgrade path information is provided in the *Interoperability Guide* document available from **Customer Support (support.hpe.com)**. A Hewlett Packard Enterprise customer account is required to access this document.

ESXi licenses

HPE OmniStack software ships preinstalled with custom versions of vSphere ESXi that you must not replace or upgrade except when advised by Hewlett Packard Enterprise (or your support provider).

You must purchase a VMware vSphere license to operate vSphere ESXi with HPE OmniStack software. HPE OmniStack software supports all types of vSphere ESXi licenses. However, some of the VMware features referenced in the Hewlett Packard Enterprise software and documentation might not be available, depending on the type of ESXi license you decide to purchase.

You can compare vSphere ESXi license features at:

<http://www.vmware.com/products/vsphere/compare>

HPE OmniStack software supports all types of vSphere ESXi licenses. However, the HPE OmniStack VAAI NAS plug-in requires vSphere licenses that support the VAAI NAS API.

vCenter Server instances

If you configure multiple, geographically-distributed, VMware datacenters, Hewlett Packard Enterprise recommends that you also install an instance of VMware vCenter Server at each site hosting HPE OmniStack hosts, using Linked Mode. This recommended configuration ensures that you can continue to manage your federation and recover virtual machines from remote backups if a disaster at one site takes your vCenter Server offline.

NOTE:

HPE OmniStack supports only a single federation per linked-mode vCenter Server management domain. All vCenter Servers in Linked Mode represent a single management domain.

See the VMware documentation for information about highly-available vSphere configurations.

HPE OmniStack environmental requirements

It is not necessary to defragment the HPE OmniStack storage used by guest virtual machines. In certain circumstances, this can negatively affect HPE OmniStack efficiency, increasing the amount of physical storage required by the virtual machine.

You might obtain benefits by aligning partitions as described in the Performance Best Practices for VMware vSphere at <http://www.vmware.com>.

The following requirements apply to networks used by a federation:

IPv4 Protocol	HPE OmniStack requires an IPv4 network. Your network can use both modes (both IPv4 and IPv6). However, if this is the case, specify both IPv4 and IPv6 addresses for any HPE OmniStack host that communicates with the federation across a network.
NIC Teaming and Load Balancing	HPE OmniStack uses Port ID for NIC teaming as the default setting. If your network uses LACP, 802.3ad, or EtherChannel, configure Load Balancing (in the vSwitch properties) as: Route based on IP hash. Use Port ID for all other cases.
Storage Capacity Input Values and Reporting	All size input fields and display values are based on IEEE 1541-2002 standards of binary multiples. To remain consistent with VMware's reported values, the SI decimal prefixes are used to represent IEC binary prefixes in all cases. For example 1,048,576 bytes is reported as 1.00 MB, not as 1.00 MiB. For more information see http://www.wikipedia.org/wiki/Mebibyte .

Storing SQL database files in volatile memory is not supported

Storing SQL database files or database log files in RAM disk or any type of volatile memory is not supported and results in data loss.

RAM disk is not persistent storage that protects your data during failure events.

See <http://support.microsoft.com/kb/917047> Microsoft SQL Server I/O subsystem requirements for the tempdb database for more information.

General restrictions and known issues

The following general restrictions and known issues apply in this release.

OMNI-49889: Virtual Controller doesn't start automatically after power cycle

In rare situations the Virtual Controller may not automatically start after a power cycle.

Resolution

Manually power on the Virtual Controller through vSphere.

OMNI-29466, OMNI-17564: Support Capture may not produce host capture bundle

The outcome of the `svt-support-capture` is a tarball that contains support capture material for the SVA, the host, and (optionally) the vCenter Server.

In some cases, the host support capture bundle doesn't get produced (in the `vmw_support` folder).

To help resolve the issue, the `svt-support-capture.log` file now contains additional logging.

Resolution

If you run `svt-support-capture` and it fails to produce the host support capture bundle, provide the following log file to **Customer Support (support.hpe.com)**: `/var/log/svt-support-capture.log`.

OMNI-18892: Virtual machines not aligned with updated parent iREPs after VDI recompose

A Horizon Recompose operation causes linked clone's replicaset to become unaligned with their parent images and impacts performance.

Resolution

This fix has been disabled by default. See HPE SimpliVity KB15912 on the **Customer Support (support.hpe.com)** portal.

OMNI-25294: Increasing number of vCPUs on Virtual Controller for all flash models increases performance

HPE SimpliVity has validated that allocating 6 vCPUs to the Virtual Controller on all flash models can increase throughput and reduce latency by over 20% for some workloads.

NOTE:

This adjustment only applies to all flash models.

Resolution

Contact **Customer Support (support.hpe.com)** if you are interested in making this adjustment.

OMNI-17288: Restarting HPE OmniStack host in single host deployment results in VMware error

In deployments with a single HPE OmniStack host, restarting the host results in the vCenter Server error message `Create NAS Datastore: An error occurred during host configuration. Unable to get console path for volume <DATACENTER NAME>`.

Resolution

No resolution is required. This error message does not impact operations and can be ignored.

OMNI-14883, FRB-402: Tasks pending when HPE OmniStack host becomes unavailable

Certain tasks, such as datastore creation, stop operating if a federation HPE OmniStack host becomes unavailable for any reason.

The tasks remain `pending completion`. When the HPE OmniStack host returns to normal operation, tasks continue and finish if no other constraints prevent the tasks from completing.

If you remove an HPE OmniStack host from the federation before a task completes, the task fails with an error notification.

Resolution

This is normal operation. No resolution is required.

OMNI-13687, HIM-620: Do not simultaneously remove multiple HPE OmniStack hosts from a federation

Do not attempt to simultaneously remove multiple HPE OmniStack hosts from a VMware datacenter.

Resolution

Wait for one removal operation to complete before you begin a second removal.

To remove all HPE OmniStack hosts from a VMware datacenter, use the `--datacenter` option with the `svt-federation-remove` command.

OMNI-27337: HPE SimpliVity filesystem log reports a FATAL error

If your system logs a FATAL error before experiencing an IP failover, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

Backup and backup policy constraints and known issues

The following constraints and known issues apply to backup operations.

OMNI-45186: svt-vm-backup command fails to create backup

If you have multiple clusters spread across multiple datacenters, you are creating the first backup of a virtual machine, and one of the target hosts is down in the target cluster, then the `svt-vm-backup` command with the `--cluster` option fails to create the backup. The command returns the following message: `ERROR [142]: Invalid or unexpected destination specified.`

Resolution

Create the backup using `svt-vm-backup --datacenter`.

OMNI-52354: svt-vm-show does not work when specifying a cluster

When you attempt to view virtual machines on a single cluster using the `svt-vm-show` command with the `--cluster` option, the command returns this message: `ERROR [255]: Unknown error.`

Resolution

Use either the HPE SimpliVity Plug-in for vSphere Web Client or the REST API interface to view the virtual machines on a single cluster.

OMNI-44879: svt-backup-copy command fails to create backup

If you have multiple clusters spread across multiple datacenters, you are creating the first backup of a virtual machine, and one of the target hosts is down in the target cluster, then the `svt-backup-copy` command with the `--dst-cluster` option fails to create the backup. The command returns the following message: `ERROR [142]: Invalid or unexpected destination specified.`

Resolution

Create the backup using `svt-backup-copy` command with `--dst-datacenter` and `--dst-cluster`.

OMNI-46878: Virtual machines moved to another cluster may result in backups in the original cluster appearing in place of canceled backups

If you move a virtual machine from one cluster to a different cluster using HPE OmniStack, and the virtual machine has backups with a status of Saving or Queued, then the status of those backups changes to Canceled. HPE OmniStack retains a backup corresponding to the Canceled backup, and it is available on the virtual machine's original cluster.

Resolution

The association between the backups and the newly located virtual machine remains. You can display the backups that did not move and remain on the original cluster using `svt-backup-show`.

OMNI-35310: Backup availability zone compliance error, but no backups have a zone status of non-compliant

If you configure a cluster with Availability Zones, and another cluster is removed from the federation, the HPE OmniStack software might generate a backup availability zone compliance error.

Resolution

If you notice there are backups that do not have a valid destination, then you can delete those backups, and manually clear the alarm. If the alarm returns, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-34149: HPE OmniStack software fails to create backup and displays “Error: [142] Invalid or unexpected destination specified”

This happens when the cluster containing the virtual machine does not have a direct network connection to the destination cluster with its backup (see "HPE SimpliVity federations" in the *HPE OmniStack for vSphere Administration Guide* for more information.) This might be associated with intermittent network connectivity or your network topology, for example ROBO or hub and spoke configurations.

Resolution

If you believe your network connectivity is fully restored, and the network configuration should allow backups between the source and destination clusters, but you see the “Error: [142] Invalid or unexpected destination specified” message, wait one hour and try to create the backup. HPE OmniStack software should be able to reset the condition and successfully create the backup. If you wait one hour and still cannot create the backup, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-22580: Changing all policy rules to different type of application consistent backup fails

If a backup policy has multiple rules that specify application consistent backups, and you attempt to edit all the rules so that they specify application aware backups with Microsoft VSS, then the edit operation fails. (Similarly, if a backup policy has multiple rules that specify application aware backups with Microsoft VSS, and you want to edit all the rules so that they specify application consistent backups, then the edit operation will fail.)

Resolution

Delete the existing rules and create new rules.

Alternatively, update all the rules to specify crash consistent backups, and save the policy. Then edit the policies and specify the backups as application consistent or application aware with Microsoft VSS.

OMNI-22080: HPE OmniStack move task stalled at 95% for virtual machine

When you issue a move task for a virtual machine, in rare cases, the VMware vSphere Web Client might show the operation is stuck at 95% complete.

Resolution

When an HPE OmniStack move is 95% complete, you can power on and use the virtual machine.

OMNI-18866: Intermittent VSS backup snapshot

Volume Shadow Copy Service (VSS) backups require HPE OmniStack software to interact with the guest virtual machine by means of the VMware API. Occasionally, a VSS backup fails due to failures in the VMware API calls.

This problem may generate the following alarm:

 SimpliVity VM Backup Snapshot Failure

Resolution

Contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-9981: Unable to delete backups using the HPE SimpliVity Plug-in for vSphere Web Client

Users are unable to delete backups though the HPE SimpliVity Plug-in for vSphere Web Client and instead receive the following error: `Not authorized to perform requested action or view requested information, or an object is inaccessible.`

Resolution

Run `svt-emergency-hms-sync` before trying to delete backups though the HPE SimpliVity Plug-in for vSphere Web Client.

OMNI-11784, HIM-15086, FRB-5275: Failed backup associated with a removed HPE OmniStack host is not deleted

When a failed backup is associated with an HPE OmniStack host, and you remove the host, the host might not delete the backup.

Solution

For assistance deleting the host, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-11369, HIM-12170: Migrating virtual machines spanning multiple datastores creates scattered virtual

machines that cause HPE OmniStack hosts to run out of storage

Migrating large numbers of virtual machines spanning multiple datastores can create scattered virtual machines that can quickly result in an out-of-storage condition on the HPE OmniStack host. The HPE OmniStack host provides warnings when it becomes 80 and 90% full, but migrating large numbers of virtual machines that span multiple datastores can quickly fill the remaining storage.

Resolution

Avoid creating scattered virtual machines (virtual machines that span datastores). Follow Hewlett Packard Enterprise best practices and recommendations for migrating virtual machines onto HPE OmniStack hosts to ensure that adequate storage remains available.

OMNI-14675, FRB-3338: vCenter Server inventory not up to date after restoration and Identity not found error generated

If you restore a vCenter Server using a backup that pre-dates major changes to the federation, such as adding a new datacenter, then the vCenter Server inventory is not up to date. In the `svtfs.log`, one or both of the following errors are reported:

```
SyncNodeWithVCenter found FailureDomain information needs updating
```

```
com.simplivity.hval.exceptions.HVALIdentityNotFoundException: Identity not found
```

Resolution

For more information, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-14714, HIM-626, FRB-2192: Virtual machine backup policy changes after migration

This problem might occur occasionally if you use the VMware Migrate option to relocate an HPE SimpliVity virtual machine. The problem occurs only when the migrated virtual machine uses a backup policy other than the default backup policy for the datastore that contains the virtual machine.

Following the migration, the virtual machine might lose its association with its assigned backup policy and become associated with the default Backup policy for the destination datastore.

Resolution

This problem does not apply to the CLI command `svt-vm-move` or the HPE SimpliVity Plug-in for vSphere Web Client operation **HPE SimpliVity > Move** virtual machine. Use these HPE SimpliVity options to relocate virtual machines.

OMNI-14038, FRB-420: Resoration of backup for deleted virtual machine fails

An attempt to restore a new virtual machine from a backup of a deleted virtual machine fails with the error:

Unable to determine virtual machine owner

Resolution

Attempt to restore the virtual machine a second time. Contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com) if the operation fails again.

OMNI-14252, HIM-651: HPE OmniStack backup, move, or restore operations fail with Scattered VM or Operation Cannot Complete Using Partial VM Backup error

VDI-linked clones with a local delta disk that points back to an external base .vmdk file fail with the log message Scattered VM.

NOTE:

HPE OmniStack backups are not supported for Horizon linked clones or Citrix desktops provisioned via MCS.

Non-linked clone backups of virtual machines with whole .vmdk files located in other datastores or directories generate an event that states:

```
VM <VM_NAME> backup taken of Partial VM. Backups may not restore properly.
```

Attempting to restore one of these backups as a new virtual machine results in the following message:

```
Recovering partial backup <BACKUP_NAME> to <NEW_VM_NAME> in <DATACENTER_NAME>.
VM recovered using partial backup may not operate as expected. See product
documentation about partial backups.
```

Attempting an HPE OmniStack move or Restore-In-Place fails with the following message:

```
Operation cannot complete using Partial VM Backup.
```

Resolution

To prevent automatic backups, apply a no-rule (blank) policy to intentionally scattered virtual machines.

OMNI-13064, FRB-3660: Data access is not optimized error may not require follow-on action

If the path to access data goes through more than one HPE OmniStack host, then the HPE OmniStack software may generate the `Data access is not optimized` error. This message accurately indicates that the path of accessing data is traveling through more than one host. However, it does not accurately indicate whether or not the HPE OmniStack host can self-correct this situation. Self-correction is undertaken, if possible, after this message is issued. If self-correction is successful, a second corresponding `Data access is optimized` message is issued.

NOTE:

A user may intentionally create the situation that causes a reduction in performance in order to alleviate other resource limitations such as memory or CPU utilization in the HPE OmniStack host. This issue does not limit access, it only changes its performance.

Resolution

Investigate all `Data access is not optimized` messages not followed by the corresponding `Data access is optimized` message need to be investigated and rectify them by either:

- vMotion the virtual machine to one of the two hosts where the storage resides (recommended)
- Move the storage to where the virtual machine is located. This method requires **Customer Support (support.hpe.com)** involvement, takes time, and impacts I/O performance.

Datastore constraints and known issues

The following use constraints and known issues apply to HPE OmniStack datastores.

OMNI-10710: Datastore appears inactive after powering off guest virtual machines

In some cases a datastore appears inactive after powering off guest virtual machines.

Resolution

Remove and re-add the datastore from the ESXi host using ESXCLI. See the procedure below.

```
~ # esxcli storage nfs list
Volume Name Host Share Accessible Mounted Read-Only Hardware Acceleration
-----
ds00 omni.cube.io 86867ce0-2982-470e-b9b4-365b7000e309 false true false Unknown
ds03 omni.cube.io dee78bc2-1273-4156-be06-d0048268173d true true false Supported
~ # ~ # esxcli storage nfs remove -v ds00
~ # esxcli storage nfs add -H omni.cube.io -s 86867ce0-2982-470e-b9b4-365b7000e309 -v ds00
~ # esxcli storage nfs list
Volume Name Host Share Accessible Mounted Read-Only Hardware Acceleration
-----
ds00 omni.cube.io 86867ce0-2982-470e-b9b4-365b7000e309 true true false Supported
ds03 omni.cube.io dee78bc2-1273-4156-be06-d0048268173d true true false Supported
~ #
```

Refer to the following link for more details: [Remounting a disconnected NFS datastore from the ESXi/ESX command line \(1005057\)](#)

SNM-735: Datastore creation takes an extended time or fails

Tasks such as deleting a large number of virtual machines or deleting stale files from a datastore cause brief periods of heavy I/O. Additional tasks (such as snapshot creation and deletion, or datastore creation) further increase I/O, causing all tasks to require more time for completion. In some cases, tasks might time-out because HPE OmniStack imposes a 20-minute time-out limit per vCenter Server transaction.

Errors such as `Platform integration error` or `Cannot delete file during file, folder, and datastore delete and create operations`, indicate that vCenter Server timed out during the current task.

Resolution

If an HPE OmniStack task times out due to heavy I/O, schedule the task for a period of reduced usage before re-trying the operation.

If a task fails to complete because of high I/O loads, customers should:

- Check current I/O before attempting to delete large numbers of virtual machines and folders, or to delete and create datastores.
- Wait for deletions to complete before proceeding to the next task.
- If a task stalls or fails to complete because vCenter Server times out, wait for 30-60 minutes and retry the task or reduce I/O before performing the task.

File restore constraints and known issues

The following use constraints and known issues apply when restoring files.

FRB-3849: Restore Files wizard fails with backups of virtual machines containing VMware snapshots

For HPE OmniStack backups that are not application consistent, you may encounter errors in the Restore Files wizard attempting to restore files for a backup of a virtual machine that contains a VMware snapshot. This situation occurs when the source virtual machine has one or more VMware snapshots listed in the VMware Snapshot Manager at a time when an HPE OmniStack backup is created for that virtual machine.

Resolution

Ensure that all VMware snapshots created manually by users or created by third-party backup solutions have been removed from the virtual machine at the time HPE OmniStack backups are taken to prevent this issue in the future.

For backups with files that are required but that exhibit this issue, you can use a regular backup restore to create a new virtual machine and perform either of the following actions:

- Turn on the virtual machine and retrieve the required files from that online virtual machine.
- Add the virtual disks from the newly created virtual machine to another virtual machine from which you want to access the files, load the disks via Disk Manager (or another tool), and use File Explorer or another tool to find the required files from the virtual disk. Then, clean up the restored virtual machine after retrieving the required files.

OMNI-40972: Using file level restore to restore a remote backup fails with “Internal Error” message

You cannot use file level restore to directly restore specific files from a remote HPE SimpliVity backup. Use a local backup with the file level restore workflow.

Resolution

To restore specific files from a remote backup, use the HPE SimpliVity Copy Backup function (available from the right-click context menu of a backup). Copy the backup to the cluster where the target virtual machine resides. After you copy the backup of the virtual machine, you can use the file level restore workflow because the copy of the backup acts as a local backup.

OMNI-13425, FRB-4282: HPE OmniStack host fails to list partitions with \$ in the name

HPE OmniStack host fails to load partitions for virtual machines that contain the \$ special character in the name of a virtual machine disk.

Resolution

Do not use the \$ special character when naming a virtual machine disk.

OMNI-15438, FRB-4854: Some file types cause browsing errors

Some archive products create proprietary file types. These file types can cause errors when you're browsing files in the File Restore Wizard. This problem may be encountered if you are using any archive or offline storage product that uses reference or stub files as pointers to the offline storage location. This affects both the UI and CLI, and displays as `Unknown error`.

HPE SimpliVity Plug-in for vSphere Web Client and HPE OmniStack CLI constraints and known issues

The following use constraints and known issues apply to the HPE SimpliVity Plug-in for vSphere Web Client and the HPE OmniStack CLI.

OMNI-45726: VM memory displays incorrectly

The VM memory value displayed in the VM summary portlet is calculated and displayed in BYTES. However, the field is labeled as if it were calculated in MBs.

OMNI-44112: HPE SimpliVity Virtual Machines view is empty

The SympliVity Virtual Machines Object table in the hosts view is empty. It does not list hosts and associated virtual machines.

Use the VMware view of hosts and their associated VMs.

OMNI-31309: Renamed virtual machine name not immediately reflected in CLI

There may be a lag of minutes or hours between your renaming a virtual machine and your seeing that updated name reflected in CLI listings and output. The GUI is not affected, it reflects updated names immediately.

OMNI-31758: `svt-iwo-show`, `svt-iwo-enable`, `svt-iwo-disable` do not work for clusters on all vCenter Servers

Resolution

Run the `svt-iwo-show`, `svt-iwo-enable`, and `svt-iwo-disable` commands from an OmniStack Virtual Controller on the vCenter Server that contains the cluster that you want to view or configure.

When used in a linked mode-environment, the `svt-iwo-show`, `svt-iwo-enable`, and `svt-iwo-disable` commands do not work for clusters on all vCenter Servers when the commands are issued with the `--cluster` and `--datacenter` options. The commands when issued with these options should work across the entire federation, and not just from within the clusters in the datacenters hosted on the same vCenter Server as the desired cluster.

OMNI-27775: A physical drive in Unconfigured (bad) state fails to display in HPE SimpliVity Plug-in for vSphere Web Client or in `svt-hardware-show`

When a drive goes into `Unconfigured (bad)` state, it is not displayed in the HPE SimpliVity Plug-in for vSphere Web Client or CLI (`svt-hardware-show`).

Resolution

Replace the physical drive. To determine which physical drive failed, look for an event in the Events section of the monitor tab in the Web Client that indicates the slot of the physical drive that failed. For example:

```
Physical drive 2 health state=Failed was Healthy
```

OMNI-27160: SSH client fails to connect to the Virtual Controller

SSH client fails to connect to the Virtual Controller and reports the following error:

```
Unable to negotiate with legacyhost: no matching key exchange method found.
```

Resolution

If using an older SSH client, upgrade the SSH client to current standards and attempt the SSH connection again.

If using a current OpenSSH client and SHA-2 algorithms are disabled, enable SHA-2 key exchange using the following command:

```
ssh -oKexAlgorithms=diffie-hellman-group-exchange-sha256 user@host
```

OMNI-17702: SSD physical drives display twice in the Hardware Information screen

In All Flash servers, the physical drives are displayed twice in the HPE SimpliVity Plug-in for vSphere Web Client Hardware Information screen and through the `svt-hardware-show` CLI command.

Resolution

The SSD drives are displayed correctly. The All Flash server utilizes two logical devices created from the same RAID array, which means that the same physical devices are displayed separately for each logical drive.

Each logical drive has a unique serial number. Use the serial numbers to differentiate between the two logical drives.

OMNI-14408, FRB-654: When using linked clones, read performance statistics do not display

If you use the HPE SimpliVity Plug-in for vSphere Web Client to look at I/O statistics for a linked clone virtual machine, the statistics do not include read operations being satisfied by the Horizon View replica image or Citrix base disk.

Resolution

Use the VMware I/O statistics to analyze the linked clone virtual machine statistics.

OMNI-14636, FRB-1227: HPE SimpliVity Plug-in for vSphere Web Client hangs when you remove an HPE OmniStack host from the federation

The HPE SimpliVity Plug-in for vSphere Web Client connects to any available HPE OmniStack host in a federation.

If you remove an HPE OmniStack host from a federation, and it happens to be the same HPE OmniStack host where the vSphere Web Client is connected, vSphere Web Client hangs.

Resolution

Restart vSphere Web Client on the same federation vCenter Server. It automatically connects to a different HPE OmniStack host.

AS-3589: CLI incorrectly interprets special characters in names

If you use names that contain special characters (\$, #, !), either escape each character or surround it with single quotes.

For example, if you specify two \$ symbols with the `--name` option when using `svt-datastore-create`, the resulting datastore name includes a random numerical string:

```
$ svtcli@omnicube-ip2-25:~$ svt-datastore-create --size 5TB --policy dc1Policy1 --
name vtDs$$
$ svtcli@omnicube-ip2-25:~$ svt-datastore-show
+-----+-----+-----+-----+-----+
| vtDs3287 | datacenter1 | dc1Policy1 | 5.00TB | 2013-Feb-26 11:08 |
+-----+-----+-----+-----+-----+
```

This is because the CLI shell interprets the dollar symbol (\$) as a variable corresponding to the environment variable for the process identifier. The CLI inserts the PID value into the name, in place of the dollar symbol (\$).

Resolution

If you use two or more \$ symbols with the `--name` option, enclose the entire name string in single quotes, as follows:

```
$ svtcli@omnicube-ip2-25:~$ svt-datastore-create --size 5TB --policy dc1Policy1 --
name 'vtDs$$'
```

OMNI-13826, HIM-721: Task progress bar inaccurate and appears to hang

HPE SimpliVity tasks are reported in the vSphere Client Recent Tasks panel, located at the bottom of the vSphere window.

For some tasks, such as sending a backup to a remote datacenter, the progress bar is not updated and it might appear that the task is inactive.

Resolution

Wait for the task to complete. It is unusual for a task to hang indefinitely. Typically if a task fails, you see an error message in the tasks list. If successful, the progress bar updates at the end of the task.

Backup progress is visible on the backup dialogs in the HPE SimpliVity Plug-in for vSphere Web Client, or you can use the `svt-backup-show` CLI command.

NOTE:

Some tasks that involve large amounts of data can take several hours to complete.

OMNI-26209: Actions menu displays incorrectly in Firefox on Mac

If you log in to HPE SimpliVity Plug-in for vSphere Web Client through Mozilla Firefox on a Mac computer, the Actions menu may shorten and cut off the menu items that appear under the **All SimpliVity Actions** option. This occurs with any Actions or right-click menu that includes the **All SimpliVity Actions** option.

Resolution

Close Firefox and log in to vSphere Web Client through Google Chrome instead. The menus should maintain their correct length and display all the menu items that reside under the **All SimpliVity Actions** option.

OMNI-25456: HPE SimpliVity options do not display after moving virtual machines to another host

If you use VMware vSphere 6.5 and you move a virtual machine from a host that runs ESXi 6.5 to a host that runs ESXi 6.0, you may not see any options when you right-click the virtual machine you moved and select **All HPE SimpliVity Actions**.

Resolution

Log out of vSphere Client 6.5 and log back in. Right-click the virtual machine you moved. You should see all the available options that reside under **All HPE SimpliVity Actions**.

OMNI-42106, OMNI-47072: HPE SimpliVity menu and virtual objects do not show up in VMware vSphere Web Client

If you use VMware vSphere 6.5 with vCenter Server or vCenter Server Appliance and you upgrade the HPE SimpliVity Plug-in to the version that comes with HPE OmniStack 3.7.3 or later, you may not see the HPE SimpliVity virtual objects and menu when you open vSphere Web Client.

Resolution

Log out of vSphere Web Client 6.5 and restart VMware "vspherewebclientsvc" services. Then log back in to vSphere Web Client. You should see the HPE SimpliVity virtual objects in the inventory panel and the options under the **All HPE SimpliVity Actions** menu. For details on restarting vCenter Server services, see the VMware Knowledge Base article, "[How to stop, start, or restart vCenter Server 6.x services \(2109881\)](#)."

OMNI-42546: Cluster or virtual machine performance charts for Throughput, IOPS, and Latency do not show data points from the current time to any time in the past

You selected a cluster or virtual machine and clicked **All HPE SimpliVity Actions > View Performance** to open the Performance chart. When you view the throughput, IOPS, or latency details, you see missing data points from the current time to any time in the past. For example, if you select the minutes option to view minute by minute details, the beginning of the charts appear empty.

Resolution

The clock for one or both of the following items is not synchronized with the NTP server:

- Computer you use to access vCenter Server (your client computer)
- Virtual Controller (virtual machine used by the HPE OmniStack host)

One or both of the clocks could be off by minutes or hours. Contact your administrator to ensure the NTP network is set up properly. If you need to synchronize the clock for your computer, contact your administrator. If you need to synchronize the clock for the Virtual Controller, contact Hewlett Packard Enterprise Support at <http://www.hpe.com/assistance>.

OMNI-53140: Cannot access details on a "top contributor" virtual machine from the HPE SimpliVity Performance chart

If you use HPE SimpliVity Plug-in for vSphere Web Client, select a cluster, and click **All HPE SimpliVity Actions > View Performance**, you open the HPE SimpliVity Performance tab. It contains three charts with the Read and Write values for throughput, IOPS, and latency. You can click **Open Top Contributors** to see a list of the top 10 virtual machines that contribute to the throughput, IOPS, and latency counts. But, when you click a virtual machine in the list, you cannot access the tab with details on the virtual machine you selected. Instead, you see an empty tab.

Resolution

For the HPE OmniStack 3.7.6 release, you cannot access virtual machine details on a top contributors virtual machine from the HPE Performance tab.

OMNI-53239: Backups listed after a search show a "Unique Backup Size" of 0 KB instead of Unknown

If you use HPE SimpliVity Plug-in for vSphere Web Client, select a cluster or virtual machine, and click **All HPE SimpliVity Actions > Search Backups**, you open the HPE SimpliVity Search Backups subtab. It lists details on all the backups created for the object you selected. One of the columns in the backups table lists the Unique Backup Size.

Unless you select a row from the Backups table and click **Backup Actions > Calculate Unique Size** to manually calculate the size, the column should show a value of "Unknown" instead of a numeric value. For example, if you see a value of 0 KB, it does not represent the size because it was not calculated yet. It should show a value of "Unknown" until you calculate the size with the Backup Actions option.

Resolution

For the HPE OmniStack 3.7.6 release, you see a value of 0 KB in the "Unique Backup Size" column of the Backups table instead of "Unknown" even though you did not calculate the size yet. To ensure you see the correct unique backup size, refer to the value shown in the "Unique Size Calculation Time" column. If that column shows "Unknown" instead of a time, you know the unique size for the backup was not calculated yet. Once you calculate the size, that column shows the time of the calculation.

OMNI-54060: Host object count does not reflect the correct number of hosts

If you use HPE SimpliVity Plug-in for vSphere Web Client, click **HPE SimpliVity Federation** from the Home menu or tab, and click **Hosts** from the inventory list, the Navigator panel shows the host count in the title bar. For example, if you used Enhanced Linked Mode to deploy 32 HPE OmniStack hosts to three vCenter Servers for a total of 96 hosts, you see "96" next to the "Hosts" title.

However, if you remove an HPE OmniStack host from inventory to reduce the count to 95 hosts and then deploy another host to bring the count back up to 96 hosts, you see the count as 97 instead of 96 when you check it through the **HPE SimpliVity Federation** Home menu or tab.

Resolution

The mismatch with the count only occurs when you remove and then add an HPE OmniStack host. (The software holds on to the count of the removed host.)

If you need to check the correct host count (HPE OmniStack hosts and standard hosts [hosts without HPE OmniStack software]), choose **Global Inventory List** from the Home menu or tab, click **Hosts** from the Navigator panel. The host count in the title shows the correct number of hosts.

REST API constraints and known issues

The following use constraints and known issues apply to the HPE OmniStack REST API.

OMNI-46361: REST API GET operations for backup objects and sorting and filtering constraints

For a given filter property, only one value is supported as an input to the filter, not a comma separated list of values.

REST API typically allows case sensitive sorting versus insensitive sorting. The GET operation for backups always uses case insensitive sorting.

You cannot sort on the following fields:

- virtual_machine_type
- virtual_machine_id
- sent_completion_time
- hypervisor_type
- sent_duration
- datastore_id
- computer_cluster_parent_hypervisor_object_id
- omnistack_cluster_id

REST API does not support the following filters:

- sent_duration_min
- sent_duration_max
- sent_completion_before
- sent_completion_after

This impacts a script calling directly into a REST API.

OMNI-10757, HIM-10400: Need REST service certificate in order to use REST API

You want to use the REST API, but security considerations prohibit you from saving the REST service certificate upon the first connection to this service.

Resolution

To obtain the REST service certificate, use SCP to copy the `rest.pem` certificate file from the `/var/svtfs/0/appdata/auth` directory on the HPE OmniStack host. For assistance, contact **Customer Support (support.hpe.com)**.

OMNI-53190: Limit recommendation for REST GET backup object calls

Hewlett Packard Enterprise recommends setting the `limit` property to below 3000 (default is 500, maximum is 5000) for all REST GET backup object calls. Attempting to exceed this limit can result in out-of-memory errors in some deployments.

OMNI-53536: Setting the retention time to a time that causes backups to be deleted fails

If you attempt to set the retention time to a value that causes backups to immediately expire, you see the following incorrect behavior:

- The Set Backup Retention Time dialog displays the following message `Unknown task`.
- Setting the force flag on `POST /backups/set_retention` does not return any taskIds.

Resolution

Determine the list of backups that would be deleted by the change to the retention time and manually delete them before setting the retention time.

Hardware constraints and known issues

The following hardware constraints and known issues apply in this release.

OMNI-34393: SSD Array rebuilding alarms do not clear properly resulting in the display of alarms with multiple levels of severity

When a RAID6 SSD Array is rebuilding one drive, the `SSD Array rebuilding one or more drives` warning alarm triggers. If another drive is then pulled, reinserted, and starts rebuilding, a `critical Maximum number of drives rebuilding` alarm triggers and the `Rebuilding one or more drives` warning alarm should clear. However, that alarm is not properly cleared resulting in both the warning and the critical alarms present and causing possible confusion.

RAID5 is not affected by this issue.

Resolution

No workaround is required, the alarms both clear when the drives complete the rebuilding process.

OMNI-32701: HPE SimpliVity battery backup health alarms not available for HPE SimpliVity 380 Gen10 servers

The functionality required to generate HPE SimpliVity 380 Gen10 events for battery backup health status changes is not currently available. No HPE SimpliVity 380 Gen10 alarms are generated for the battery backup status.

Resolution

Use the Integrated Lights-Out (iLO) Management for HPE ProLiant tools to monitor logical drive cache events.

OMNI-32697: Enabling/Disabling logical drive cache does not generate an alarm

The HPE SimpliVity 380 Gen10 Smart Controller does not generate an event when logical drive cache is enabled or disabled, and no alarm is displayed through the vSphere Web Client.

Resolution

Use the Integrated Lights-Out (iLO) Management for HPE ProLiant tools to monitor logical drive cache events.

OMNI-33299: Percentage rebuild for HPE SimpliVity 380 Gen10 physical drives displays as NA

The percentage rebuild for HPE SimpliVity 380 Gen10 servers does not display the actual percentage in the vSphere Web Client nor through the `svt-hardware-show` CLI command. NA is displayed in both instances.

Resolution

No resolution required, the drive rebuild completes normally.

PLAT-103: Inserting unsupported drive does not generate an alarm

If a drive fails and you insert an unsupported drive, the HPE SimpliVity host does not generate an HPE SimpliVity alarm in vSphere Client.

You might also notice related alarm events such as:

- HPE SimpliVity Physical SSD (or HDD) drive rebuilding
- The physical SSD (or HDD) drive at slot:1 is rebuilding
- The physical SSD(or HDD) drive at slot:1 is finished rebuilding

However, these events are incorrectly reported because a rebuild cannot begin on an unsupported drive.

Resolution

Replace the failed drive as soon as possible using a compatible replacement drive. The drive rebuild should begin immediately.

AMP-3045: FCoE disabled on OmniCube or HPE OmniStack server

The Fibre Channel over Ethernet (FCoE) capability is disabled on OmniCube/HPE OmniStack servers.

Resolution

By default, the FCoE capability is disabled. To enable FCoE, run the appropriate command on the server:

OmniCube:

```
# esxcfg-module -e fcoe
```

HPE OmniStack Integrated Solution with Cisco UCS:

```
# esxcfg-module -e fnic
```

Installation, deployment, and upgrade issues

The following installation, deployment and upgrade issues apply in this release.

Based on your existing environment, upgrades to this version of software might require assistance from [Customer Support \(support.hpe.com\)](https://support.hpe.com).

OMNI-31689, OMNI-21628, OMNI-31707: After upgrading HPE OmniStack software, update your HPE OmniStack certificate

Certificate update after OmniStack upgrade

Contact [Customer Support \(support.hpe.com\)](https://support.hpe.com) to obtain assistance in updating your HPE OmniStack certificate following an upgrade to this release.

OMNI-27539: Upgrade stalls at step 3

In certain cases, an upgrade might appear to stall at step 3 for approximately 15 minutes and then fail.

Resolution

To work around this issue, retry the upgrade.

OMNI-24774: Hosts do not reconnect to vCenter Server after ESXi upgrade

After upgrading from ESXi 6.0 to 6.5, hosts sometimes do not automatically reconnect to vCenter Server.

Resolution

This is a known ESXi issue. From the vCenter Server, manually reconnect the host.

OMNI-22360: Deploying hosts using IP address pools fails

Deployment fails if you try to deploy HPE OmniStack host using IP address pools with Deployment Manager. For example, if you define the network for the IP address pool through the `svt-ippool-set` command and then enter all the IP addresses for the hosts you want to add to the pool using the `svt-ippool-add` command, you can run Deployment Manager and select the **Deploy a host using existing IP address pools** option. However, the deployment for the hosts fails.

Resolution

HPE OmniStack no longer supports deploying hosts using IP pools. Instead, deploy one or more hosts by manually entering the network settings or by importing a previously saved configuration file. For more details on deploying hosts, see the *HPE OmniStack for vSphere Deployment Guide*.

OMNI-18121: Deployment Manager fails on Step 30 of 33 VMW_REMOVING_SVTBUILD_USER

The HPE OmniStack host deployment fails with an error similar to: Deployment failed on Step 30 of 33 "VMW_REMOVING_SVTBUILD_USER"

and the `firstboot.log` file from the failed Virtual Controller shows error messages similar to:

```
[Platform::CIM::Chassis] Chassis.pm:61 Found NO chassis!  
[Platform::Factory::VMware] VMware.pm:259 Unable to retrieve chassis information  
[Platform::Factory::VMware] VMware.pm:130 Chassis does not exist: retrieving  
chassis.
```

Resolution

Perform a cold reboot of the HPE OmniStack host and retry the deployment.

OMNI-46309: Deploying a host fails if unhealthy hosts reside in other clusters

Deployment fails if you try to deploy an HPE OmniStack host to a cluster when another cluster in the federation contains an HPE OmniStack host in a faulty state. (For example, in HPE SimpliVity Plug-in for vSphere Web Client, a cluster in your federation contains a host with a status that appears as warning, degraded, offline, failed, or unknown.)

Resolution

Open HPE SimpliVity Plug-in for vSphere Web Client and locate the cluster with the faulty host. To view the hardware details, right-click the host and click **All HPE SimpliVity Actions > View Hardware**. If necessary, safely shut down the host and remove it from inventory to deploy new hosts. For more details, see the Help that came with HPE SimpliVity Plug-in for vSphere Web Client.

OMNI-14883, FRB-402: Deployment fails if federation HPE OmniStack host offline

If you attempt to deploy an HPE OmniStack server into a federation where one of the HPE OmniStack hosts is powered off, the deployment stalls.

Resolution

The deployment resumes and completes successfully as soon as you power on the missing HPE OmniStack host.

OMNI-13653, FRB-3607: Deployment fails with vSwitch0 not found or vSwitch1 not found error

If a PortGroup with a matching name of `vSwitch0` or `vSwitch1` exists within a cluster, attempting to deploy a new host using Deployment Manager fails due to a name conflict with the vSwitches used for HPE OmniStack host deployment.

Resolution

Rename the existing `vSwitch0` or `vSwitch1` PortGroups, and retry the deployment.

OMNI-22832: When testing settings for deployment, invalid content message displays

At the Test Host Settings screen in Deployment Manager, you see the test screen go blank and this error message displays `The deployment configuration XML file contains invalid content.` Contact SimpliVity Customer Support.

Resolution

Click **Back** and check the MTU values at the Configure Management Network Settings, Configure Federation Network Settings, and Configure Storage Network Settings screens. You must enter a value between 1000-1500. In addition, the MTU setting must match the MTU settings used for the corresponding network of the previously deployed hosts. For example, if you previously deployed an HPE OmniStack host with an MTU value of 1500 for Management network. The next host you deploy to that network must use an MTU value of 1500.

If you continue to see the error message, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-11235, HIM-10010: HPE OmniStack host joins federation but shows as disconnected from Arbiter

A newly deployed HPE OmniStack host joins the federation but shows as disconnected from the Arbiter in `svt-federation-show` and the corresponding HPE SimpliVity Plug-in for vSphere Web Client.

There is a small timing window where a user can encounter this issue after deploying a single HPE OmniStack host with an Arbiter on the vCenter Server, and then deploying a second HPE OmniStack host in that datacenter or cluster. The user could encounter this issue if during the deployment of the second host they change the IP address of the Arbiter host and run the `svt-arbiter-address-set` command.

Resolution

Restart `svtfs` on the host that failed to connect, and then run the `svt-federation-show` command to verify that the host is connected to the Arbiter.

OMNI-11690, HIM-13893: Cisco UCS C240 servers show 40 GbE NIC as 10 Gb/s in Deployment Manager

If you run Deployment Manager to deploy a Cisco UCS C240 server, the Select HPE OmniStack host screen shows the VIC 1385 PCIe Ethernet Network Interface Card (NIC) with a speed of 10 Gb/s instead of 40. However, the server deploys to vCenter Server as expected and reflects the correct NIC speed of 40 GbE when you review the network information in vSphere Web Client.

Resolution

Ignore the NIC speed value shown in Deployment Manager. The Cisco server does use a NIC with a speed of 40 GbE even though it appears as 10 Gb/s in Deployment Manager.

OMNI-13106, FRB-1625: Virtual Controller unable to reach expected ports on Storage network after deployment

Following deployment, an alarm may appear on one or more Virtual Controllers, indicating a connectivity failure on the Storage network.

Resolution

The issue should resolve itself within one minute and the alarm no longer appears. If it does not, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-10204, HIM-9771: Deployment Manager fails as result of incorrect coercion mode setting

A Deployment Manager deployment can fail with the following error:

```
Failed to (re)configure RAID set
```

Resolution

To correct this issue, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-13329: Commit alarm appears after committing the upgrade in Upgrade Manager

After you run Upgrade Manager and successfully commit the upgrade for your hosts, the hypervisor shows this alarm: `SimpliVity software commit needed.`

Resolution

The alarm does not reflect the correct status. To clear it, right-click the alarm, and select **Acknowledge**, then select **Reset to green**. As long as you see the commit complete in Upgrade Manager successfully, you can disregard the alarm in the hypervisor.

AMP-4029: Virtual Controller does not power on during deployment

When deploying HPE OmniStack hosts in a datacenter or cluster with no deployed HPE OmniStack hosts, the Virtual Controller does not power on and the deployment fails. Deployment Manager displays the following error in the Deployment Status window:

```
ERROR: step 24 of 33 - A task error occurred powering on Virtual Controller
```

Resolution

Restart the VMware vCenter Server Workflow Manager service. See VMware KB article 1003895 for more information.

OMNI- 52417: Failed tasks display when upgrading ESXi on a single node cluster

When upgrading ESXi on a single node cluster, failed tasks may display in vSphere web-client with the name "Create NAS datastore" and a status indicating that the datastore already exists.

Resolution

You can ignore these failed tasks as an attempt to re-create all SimpliVity datastores is made on every host reboot of single node clusters.

OMNI-53270: Upgrade fails with another HyperVisor upgrade in progress error

If a previous attempt to upgrade a single HPE OmniStack host in a cluster failed because virtual machines were running on the host, subsequent attempts to upgrade the host will fail with the following message:

```
Operation can't be allowed as another HyperVisor upgrade is in progress
```

Resolution

Restart the Virtual Controller on the HPE OmniStack host, and then restart the upgrade.

OMNI-53176: Upgrade status shows "Failed" when the upgrade actually succeeded

When upgrading ESXi in a single node cluster, Upgrade Manager may indicate that the upgrade failed, when it actually may have succeeded. This can occur when upgrading just ESXi or when upgrading both ESXi and OmniStack.

Resolution

If the error occurred while upgrading only ESXi:

1. If the ESXi host appears as "disconnected" in the vCenter Server inventory, then attempt to reconnect by right-clicking the host in vCenter Server, and then clicking **Reconnect**.
2. In Upgrade Manager, verify that the current version of ESXi matches the expected post-upgrade ESXi version. If it does, you can ignore the error message.

If the error occurred while upgrading ESXi and OmniStack, either together or one after another:

1. Complete the ESXi-only steps above, and then complete the remaining steps in this procedure.
2. Verify that all the nodes in the federation have been upgraded to the same OmniStack version by running:

```
svt-software-status-show
```

3. If all the nodes have been upgraded, commit the upgrade by running the following command:

```
svt-software-commit
```

Virtual machine constraints and known issues

The following use constraints and known issues apply to virtual machines.

OMNI-33355: The `svt-vm-show` or other commands do not reflect changes in vCenter Server for a federation

A change in a federation configuration can result in event manager on the remaining node not being able to take over master role. This condition can cause the `svt-vm-show` or other commands to not reflect changes in vCenter Server.

For assistance, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-15124: Unable to perform HPE OmniStack operations on virtual machine after migrating it to an HPE SimpliVity datastore

After migrating a virtual machine to an HPE SimpliVity datastore, users can no longer perform HPE OmniStack operations on it, and it no longer appears through the CLI. This applies to virtual machines that are created on non-HPE SimpliVity storage.

Resolution

For more information, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com).

OMNI-42497: `svt-vm-move` command fails and virtual machine does not appear in the datastore inventory

If the `svt-vm-move` command fails to move a virtual machine, and the virtual machine no longer resides in the original datastore inventory, then you must manually add the virtual machine to the inventory.

Resolution

Using the vSphere client, browse the original datastore contents, and add the virtual machine to the inventory.

OMNI-23381: Saving credentials for virtual machine in Linked Mode configuration fails

If you are trying to save credentials for a guest virtual machine in a vCenter Server that is part of a Linked Mode configuration, the operation may fail.

Resolution

Access a Virtual Controller that is in the same vCenter Server as the virtual machine for which you are trying to save credentials. Then run `svt-vm-backup-params-set` to manually set the credentials for the virtual machine.

Alternatively, you can try to log in to the Web Client for the vCenter Server with which the virtual machine is associated.

HIM-4971: Virtual machine folder not deleted when virtual machine deleted in HPE SimpliVity Plug-in for vSphere Web Client

When you right-click a virtual machine in HPE SimpliVity Plug-in for vSphere Web Client and select **Delete from Disk**, the folder containing the virtual machine files might not get deleted from disk. Backups of the virtual machine might be labeled [REMOVED] instead of [DELETED].

Resolution

You can manually delete the virtual machine folder from disk.

HIM-11399: Powering on or using vMotion on virtual machines stalls at 16%

Powering on or using vMotion on multiple virtual machines results in some virtual machines stalling at 16%.

Resolution

Disable DRS on the cluster with the stalled virtual machines, reboot the vCenter Server, and then power on the stalled virtual machines. Re-enabling DRS could cause a reoccurrence of this issue.

AMP-2069: Reloading virtual machines causes invalid fault error

When reloading numerous virtual machines, vSphere Client shows `A general system error occurred: Invalid fault` error for some virtual machines. The cause is that the number of datastores in a datacenter combined with the NFS maximum queue depth setting are overloading the HPE OmniStack host.

This condition may cause unavailable or inaccessible datastores, unresponsive hosts, and disconnected virtual machines.

Resolution

Set the NFS maximum queue depth on the HPE OmniStack hosts to reduce I/O congestion to the datastores. The following table lists the recommended NFS maximum queue depth setting based on the number of datastores in a datacenter.

Datastores in a datacenter	NFS.MaxQueueDepth
1–16	256 (default)
17–32	128
33–64	64

To set the NFS maximum queue depth:

1. In vSphere Client, select the HPE OmniStack host in the Hosts and Cluster view.

2. To open the **Settings** dialog, click the **Configuration** tab, and then **Advanced Settings** under the **Software** panel.
3. Select **NFS**, and then scroll down to **NFS.MaxQueueDepth**.
4. Change the value to the setting shown in the table.
5. Reboot the HPE OmniStack host for the change to take effect.

FRB-2035: Migrating virtual machine resets its backup policy

If you migrate a virtual machine to a different HPE OmniStack datastore, its backups are retained (migrated with the virtual machine). However, the migration operation resets the virtual machine's backup policy to the destination datastore's default policy.

Resolution

Manually create or select an existing backup policy and apply it to the migrated virtual machine.

SNM-16: Removing multiple virtual machine folders from HPE OmniStack datastore appears to fail

You remove folders by browsing to the datastore in vSphere Client, selecting a folder, and clicking **Delete**. If you attempt to use this method to remove multiple unwanted folders (directories) from a HPE OmniStack datastore, the operation appears to fail. Multiple folder remove operations do eventually succeed, but might take many minutes to complete.

Resolution

An underlying VMware issue causes this problem. The operation exceeds an NFS server timeout. The following VMware Knowledge Base article describes a solution:

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1035332

AS-3811: Moving virtual machine fails on first attempt

In rare circumstances, a virtual machine move operation fails with the following error message:

```
com.simplivity.task.vmware.vm.move error code 55 (ResetFailed)
```

Resolution

Retry the move operation. If the move operation fails on retry, contact **Customer Support (support.hpe.com)**.

AN-3058: Cannot power on cloned virtual machine

When you right-click a virtual machine in the vSphere Client inventory panel, select **Hewlett Packard Enterprise > Clone Virtual Machine**, and notice that the cloning process takes a long time to complete, the cloned virtual machine appears, but you cannot power it on. If you check the Recent Tasks panel, you see an error indicating that the host received an error while powering on the virtual machine and could not load the configuration file.

This can occur when the virtual machine you clone has heavy input and output usage.

Resolution

Wait a few minutes to see if the cloned virtual machine powers on. If it continues to fail, delete the cloned virtual machine and create another clone when the virtual machine I/O usage is not as heavy.

FRB-301: HPE OmniStack clone operation does not specify a destination

A HPE OmniStack clone operation does not enable you to specify a destination host.

Resolution

When the clone operation is complete, search for the clone by name and use vMotion to move it to the required host.

AMP-186, FRB-1410: Error message appears when moving virtual machine

If you move a virtual machine to a datastore using the HPE OmniStack Move Virtual Machine option, and then try to move that same virtual machine to a different datastore before the first move task finishes, the second move cannot finish and you see one of the following error messages depending on when you started the second move:

- Platform integration exception. Contact Customer Support.
- Duplicate name exists.
- Unknown VM or VM not found in datastore or VM not stored by Hewlett Packard Enterprise.

Resolution

Wait until the first move task finishes before trying to move the virtual machine that you just moved to another datastore.

FRB-2042: Allowed to restore existing virtual machine of virtual machine template from backups created before conversion

If a virtual machine was converted to a virtual machine template, and backups were created before the conversion took place, you are not prevented from using a backup of the virtual machine (before it was a template) to restore the existing virtual machine. The operation succeeds, and vCenter Server continues to show the virtual machine template as a virtual machine template. However, the configuration file in the virtual machine directory in the datastore has a `.vmx` extension type, and subsequent backups indicate that the backups are for a regular virtual machine rather than a virtual machine template.

Resolution

You can remedy this situation in several ways, including the following options:

- Manually rename the configuration file for the virtual machine template to use a `.vmtx` extension rather than a `.vmx` extension.
- Perform the following procedure:
 1. Remove the virtual machine template from the vCenter Server inventory.

2. Browse the datastore, and then manually add the virtual machine back to the vCenter Server inventory. vCenter Server adds it back to the inventory as a regular virtual machine rather than a virtual machine template.
 3. Convert the virtual machine to a virtual machine template.
- Convert the virtual machine template to a regular virtual machine. Then, convert it back from a virtual machine to a virtual machine template.

AN-4548: Virtual machine CPU usage alarm appears

Your federation contains datacenters (or clusters) with HPE OmniStack hosts. When you click the Alarms tab from the vCenter Server level in vSphere Client to review any triggered alarms, you see `Virtual machine CPU usage` alarm messages for most of the Virtual Controllers in your federation.

Resolution

Disregard this alarm. The Virtual Controller is functioning as designed.

HIM-8207: Cannot use HPE SimpliVity Plug-in for vSphere Web Client or HPE OmniStack CLI to manage virtual machines with identical names

If HPE OmniStack hosts have virtual machines with identical names in the same datacenters, you cannot use the HPE SimpliVity Plug-in for vSphere Web Client or the HPE OmniStack CLI to manage these virtual machines. You can use the standard vSphere Client to manage these virtual machines. Hewlett Packard Enterprise is working with VMware to resolve this issue.

Resolution

You can rename one of the virtual machines to enable the HPE OmniStack management functionality:

1. In the vSphere Client (not using the HPE SimpliVity Plug-in sections), browse the clusters to identify virtual machines with identical names.
2. Right-click one of the virtual machines, and then select **Rename** to rename it with a unique name.
3. Repeat Steps 1 and 2 for each virtual machine you want to rename.
4. Log in to the HPE OmniStack CLI.
5. Run `svt-emergency-hms-sync` on each Virtual Controller in the datacenter with a renamed virtual machine to sync the Virtual Controller with vSphere.

You can now use the HPE SimpliVity Plug-in for vSphere Web Client options in vSphere and the HPE OmniStack CLI to manage these virtual machines.

OMNI-18127: Cloning several virtual machines concurrently from same source image takes long time

When using the VMware clone feature to clone several virtual machines concurrently from the same source image, the operations might take a long time to complete. The cloning operations do succeed, and all cloned virtual machines are available.

Resolution

Run no more than six concurrent cloning operations.

Security constraints and known issues

The following topics explain known security issues.

OMNI-52496: Enabling FIPS mode on Arbiter fails

If you run the `C:\Program Files\SimpliVity\SimpliVity Arbiter\bin>svt-fipsmode.exe --enable --restart` command to enable FIPS mode on the Arbiter, but the command fails with the message `svt-fipsmode.exe has stopped working`, then the value of `SVTINSTDIR` was not set correctly.

Resolution

Manually set the value of `SVTINSTDIR` by executing the following command:

```
C:\Program Files\SimpliVity\SimpliVity Arbiter\var\svtfs\0>set SVTINSTDIR="C:\Program Files\SimpliVity\SimpliVity Arbiter\var\svtfs\0"
```

Rerun the `svt-fipsmode.exe` command.

OMNI-31689, OMNI-21628, OMNI-31707: After upgrading HPE OmniStack software, update your HPE OmniStack certificate

Certificate update after OmniStack upgrade

Contact **Customer Support** (support.hpe.com) to obtain assistance in updating your HPE OmniStack certificate following an upgrade to this release.

OMNI-31740: While upgrading an Arbiter, the FIPS mode changes its state to disabled on Arbiter

FIPS mode is disabled after Arbiter upgrade

FIPS mode state changes from enabled to disabled after an Arbiter upgrade, and must be manually re-enabled. Verify the FIPS mode is disabled with: `svt-fipsmode.exe --show`

```
c:\Program Files\SimpliVity\SimpliVity Arbiter\bin>svt-fipsmode.exe --showFips mode is disabled
```

Resolution

Beginning with this release, the HPE OmniStack system certificate and keys must be 2048 bits in size. The key size can be checked using the following command:

```
Upgrade openssl x509 -in /var/svtfs/0/myconf/static/node.pem -text | grep Public-Key
```

1. Re-enable FIPs as follows:

```
c:\Program Files\SimpliVity\SimpliVity Arbiter\bin>svt-fipsmode.exe --enable --
restart
FIPS mode is now enabled
Restarting arbiter...
The SimpliVity Arbiter service is stopping..
The SimpliVity Arbiter service was stopped successfully.
The SimpliVity Arbiter service is starting.
The SimpliVity Arbiter service was started successfully.
```

2. Verify that FIPS mode is enabled:

```
c:\Program Files\SimpliVity\SimpliVity Arbiter\bin>svt-fipsmode.exe --show
Fips mode is enabled
```

OMNI-30067: Inconsistently-named CLI zeroizing commands

In the current release, you need to use two similarly-named commands to zeroize all the cryptographic private key material used by the Virtual Controller or the Arbiter. To zeroize cryptographic private key material on the server hosting Arbiter, use `svt-key-zeroize`. To accomplish the same for the Virtual Controller, use `svt-keys-zeroize`.



WARNING:

These commands are used only when decommissioning a system. Refer to the *HPE OmniStack 3.7.6 for vSphere Command Reference Guide* for additional information.

VMware constraints and known issues

The following use constraints and known issues apply to VMware.

OMNI-36054: vSphere Fault Tolerance is not supported

HPE OmniStack does not support the vSphere Fault Tolerance feature. If you enable vSphere Fault Tolerance, you cannot use the main features in the HPE OmniStack REST API, CLI, or the HPE SimpliVity Plug-in for vSphere Web Client.

OMNI-22877: Enabling vSphere Fault Tolerance disables some operations

When you use vSphere 6.0, create virtual machines on HPE OmniStack datastores, and enable vSphere Fault Tolerance on these virtual machines, you cannot use the following administrative operations on the affected virtual machines using the HPE OmniStack CLI, HPE OmniStack REST API, or HPE SimpliVity Plug-in for vSphere Web Client:

Operation	CLI command
Back up a virtual machine.	<code>svt-vm-backup</code>
Create a new virtual machine that contains the same contents as an existing virtual machine.	<code>svt-vm-clone</code>
Determine the unique data in a backup that represents the amount of physical storage space consumed exclusively by this backup.	<code>svt-backup-size-calculate</code>
Relocate a virtual machine to a different federation datastore.	<code>svt-vm-move</code>
Restore a virtual machine backup to a new virtual machine.	<code>svt-backup-restore</code>
Restore a virtual machine from a backup.	<code>svt-vm-restore</code>
Set the backup parameters on a Windows virtual machine to enable or disable Volume Shadow Copy Service (VSS)-based backups.	<code>svt-vm-backup-params-set</code>
Set the backup policy for a virtual machine.	<code>svt-vm-policy-set</code>
Show if Volume Shadow Copy Service (VSS)-based backups are enabled or disabled on a virtual machine.	<code>svt-vm-backup-params-show</code>

OMNI-25441: DRS not automatically migrating some virtual machines and causes No host is available error

This is a vSphere issue. In some cases DRS does not process Intelligent Workload Optimizer (IWO) rules properly and users see the following error:

```
No host is available for the virtual machine that satisfied its preferred VM/Host  
DRS affinity or anti-affinity rules
```

Resolution

1. Disable IWO using the `svt-iwo-disable` command.
2. Wait for all groups and rules to be deleted.
3. Enable IWO using the `svt-iwo-enable` command.

This creates the same set of groups and rules, and it triggers vSphere to reprocess these rules.

OMNI-24710: Virtual Machine Memory Usage alarm appears incorrectly on Virtual Controller in vCenter Server 6.5

In a vCenter Server 6.5 environment, the Virtual Controller triggers a Virtual Machine Memory Usage alarm and shows full memory utilization, when in fact this is not the case.

Resolution

This is a vCenter Server issue. ESXi treats all memory as pinned and disables sampling on virtual machines with passthrough devices. This results in active memory reported at 100%. vCenter Server 6.5 is not aware of this new behavior, and therefore triggers the alarm.

For the Virtual Controller, you can ignore this alarm.

OMNI-9909: DRS no longer migrates virtual machines in DRS enabled cluster

In a cluster with DRS enabled, DRS-initiated migrations within a cluster stop. An error message appears on the cluster object in vSphere that reads `Configuration Issues: DRS invocation not completed`.

Solution

1. Disable DRS for the cluster.
2. Delete all the files under the
`C:\ProgramData\VMware\vCenterServer\logs\vmware-vpx\drmdump\domain-cXXXXXX\` directory
(with `domain-cXXXXXX` replaced with the cluster's mo-id).
3. Restart the vCenter Server process.
4. Enable DRS for the cluster.

OMNI-9887, OMNI-8822: vCenter Server anomalies after restoration

After restoring a vCenter Server, you may have to perform an action that changes the inventory, such as adding or deleting a host. If you change the inventory prior to creating a new backup, the changes are missing if you need to restore the vCenter Server.

Issue	Cause	Action
An extra ESXi host is in the inventory after you restore the vCenter Server, and the host is in a disconnected state	Deleted an ESXi host after the restored backup was created.	Remove the host.
An ESXi host you added does not exist after the vCenter Server is restored	Added an ESXi host after the backup was created.	Add the host where it is needed.
A virtual machine that you removed reappears after you restore the vCenter Server	Removed the virtual machine after you create the backup.	Remove or delete the virtual machine.
An orphaned virtual machine appears after you restore the vCenter Server	Performed an HPE OmniStack move or when you delete the virtual machine from the disk.	Remove the orphaned virtual machine from inventory.
A datastore that you removed from the federation appears in the storage view after you restore the vCenter Server		Remove or unmount the datastore.

PLAT-404: vCenter Server does not display alarm when rear boot drive in HPE OmniStack hosts removed

Prior to HPE OmniStack 3.5.1, VMware vCenter Server software does not display an alarm when you physically removed a rear boot drive from an HPE OmniStack host. While the drive is removed, if a second rear boot drive fails, then the HPE OmniStack host shuts down.

Resolution

Beginning with the HPE OmniStack 3.5.1 software release, the VMware vCenter Server software generates an alarm when you remove a hard disk drive from the rear panel:

- VMware vSphere 5.5 generates the alarm when you remove the rear boot drive. The alarm is automatically cleared after you insert a rear boot drive into the HPE OmniStack host, the drive has finished rebuilding, and it is in the optimum state.
- VMware vSphere 6.0 generates the alarm when you remove the rear boot drive. After you insert a rear boot drive into the HPE OmniStack host, the drive has finished rebuilding, and it is in the optimum state, manually clear the alarm. If you clear the alarm before the rear boot drive has finished rebuilding, or it is not in the optimum state, then the alarm is set again.
- In a VMware vSphere 6.5 environment, vCenter Server 6.5 does not generate an alarm when you remove a rear boot drive.

AMP-3388: vSphere 6.0 does not indicate when guest virtual machine ejects virtual CD/DVD

In vSphere 6.0, restoring an ISO image as a virtual CD/DVD on a guest virtual machine and ejecting the virtual CD/DVD does not deselect the **Device Status Connected** option in vSphere Client. Subsequent restores on the same guest virtual machine fail.

Resolution

Perform these steps to disconnect the virtual CD/DVD on the guest virtual machine:

1. In vSphere Client, right-click the virtual machine and then select **Edit Settings**.
2. In the **Hardware** tab, select the CD/DVD drive and deselect **Connected in Device Status**.
3. Click **OK**.

OMNI-24369, AMP-417: Incorrect messages display after upgrading vCenter Server

After upgrading your vCenter Server to version 6.0 or 6.5, the vSphere Client displays incorrect names and messages for HPE SimpliVity events, alarms, and tasks. For example, the name of a task might display as:

```
XXX com.simplivity.task.vmware.vm.snap.manual.label not found XXX
```

Resolution

Run this command to correct the message text for new HPE SimpliVity events, alarms, and tasks:

```
svt-extension-refresh
```



Caution:

This command clears all HPE SimpliVity events, alarms, and tasks. For information about this command, see the *HPE OmniStack Command Reference*.

AMP-3235: Cannot migrate a virtual machine from VDS to vSwitch

In vSphere 6.0, migrating a virtual machine from a datacenter with a vSphere Distributed Switch (VDS) to a datacenter with a standard virtual switch (vSwitch) shows `Invalid Backing` for the network adapter associated with the virtual machine.

Resolution

vSphere 6.0 supports these virtual machine migrations across different virtual switches:

- vSwitch to vSwitch
- vSwitch to VDS
- VDS to VDS

vSphere 6.0 does not support VDS to vSwitch virtual machine migrations.

SNI-87: Unable to log in using Single Sign-on after session timeout

This problem occurs only when you use the HPE OmniStack CLI. The HPE SimpliVity Plug-in for vSphere Web Client is unaffected. After a session timeout, you are unable to use the CLI to log in using Single Sign-on (SSO).

If you are managing a federation using a Single Sign-on account with vCenter Servers in Linked Mode, after a session timeout, each vCenter Server requires that you re-enter your credentials to sign on.

Resolution

Enter your credentials for each vCenter Server in Linked Mode.

FRB-131: Migrating a virtual machine using Storage vMotion causes performance graphs to reset

If you migrate a virtual machine specifying Storage vMotion, the performance data graphs are reset if you look at them on the HPE SimpliVity tabs in vSphere Client. This also happens if you use the CLI `svt-vm-move` command or the HPE SimpliVity **Move Virtual Machine** option in vSphere Client.

Resolution

There is currently no workaround for this issue.

OMNI-10839: Performing IP change on vCenter Server not supported by VMware

This is a VMware issue. You cannot change the vCenter Server or Platform Service Controller host name in vCenter Server 6.x.

Resolution

See VMware KB 2130599 for more information.

Resource Balancing restrictions and known issues

The following general restrictions and known issues apply in this release.

HIM-12276: Capacity balance issue when adding to existing datacenters

When building out an existing datacenter with additional HPE OmniStack hosts, a potential capacity balance issue may arise regarding remote backups.

The initial remote backup for a new virtual machine is assigned two hosts (one for each replica) in the target datacenter based on overall capacity and IOPs — the lightest loaded hosts, in this sense. Subsequent remote backups for this virtual machine be placed in accordance with this assigned these two hosts (leveraging affinity for de-duplication properties) by following the last fully protected remote backup hosts. One implication of this strategy: When the hosts of the datacenter(s) is increased it may result in an imbalance of remote backups, regardless if the active virtual machines are redistributed or re-balanced in the source datacenter. The new hosts do not automatically balance these remote backups.

Resolution

The affected datacenter may require manual removal of backups, and a lowering of the policy frequency and retention rate to maintain performance.

Stretched clusters constraints and known issues

The following use constraints and known issues apply to stretched clusters.

OMNI-18686: Stretched Clusters feature considerations

- Existing datacenter size and network guidelines apply to Stretched Clusters.
- Place the Arbiter in a third physical site.
- Additional requirements for the Stretched Clusters feature are as follows:
 - Stretched Clusters are supported in datacenters with an even number of HPE OmniStack hosts. Equally distribute the hosts in the datacenter into the two Availability Zones. Stretched Clusters are not supported in datacenters with an odd number of hosts.
 - Stretched Cluster configurations do not support standard hosts.
- Virtual Desktop Infrastructure (VDI) environments and linked clones are not supported in Stretched Clusters.

OMNI-911: Backup replica zone-compliance appears on HPE OmniStack host

In certain circumstances, when you remove HPE OmniStack hosts from a Stretched Cluster or you reassign HPE OmniStack hosts to zones in an existing Stretched Cluster, your backup replicas may become non-zone-compliant. This means that these non-zone-compliant backups may not survive a zone failover. In such a situation, an alarm is raised on every HPE OmniStack host with these non-zone-compliant backups.

NOTE:

This issue does not affect virtual machines; it only affects backups.

Resolution

If you observe these alarms in your HPE OmniStack host, contact [Customer Support \(support.hpe.com\)](mailto:support.hpe.com) to rectify the situation.

OMNI-22589: Creating backups during zone modification and realization affects performance

When a zone change is realized on an existing cluster configuration, some data needs to be migrated between stretched cluster nodes to ensure Availability Zone compliance. On some systems with many virtual machines and backups, the amount of data to be migrated can be significant. Because all data migrations to achieve zone compliance are throttled and because they compete with other network traffic, it is recommended that you stop all backups before zone configuration realization and then resume them after all healing migrations are complete.

Resolution

Run the following command to suspend all backup policies active in the system:

```
# svt-policy-suspend --all
```

CONFIRMATION/WARNING:

This command suspends policy-based backups on the OmniCube(s). Note that it can take an extended time for backups to reach a quiesced state.

Proceed? (y/n): y

Task to suspend backup policy with id 42211720-6972-b397-38f2-615376cefc97:42211720-6972-b397-38f2-615376cefc97:36af498d-e441-4c18-bb3b-a3f94c103af8 has been started.

To view the progress of the task, run the following command:

```
# svt-task-show --task 42211720-6972-b397-38f2-615376cefc97:42211720-6972-b397-38f2-615376cefc97:36af498d-e441-4c18-bb3b-a3f94c103af8
```

```
task 42211720-6972-b397-38f2-615376cefc97:42211720-6972-b397-38f2-615376cefc97:36af498d-e441-4c18-bb3b-a3f94c103af8 is 100 percent complete.
```

Once all zone healing migrations for virtual machines and backups complete, resume all backup policies in the host by running the following command:

```
# svt-policy-resume --all
```

This command resumes policy-based backups.

Proceed? (y/n): y

Task to resume backup policy with id 42211720-6972-b397-38f2-615376cefc97:42211720-6972-b397-38f2-615376cefc97:54440c4b-d405-4468-9f32-26875ed9ec38 has been started.

To view the progress of the task, run the following command:

```
# svt-task-show --task 42211720-6972-b397-38f2-615376cefc97:42211720-6972-b397-38f2-615376cefc97:54440c4b-d405-4468-9f32-26875ed9ec38
```

```
task 42211720-6972-b397-38f2-615376cefc97:42211720-6972-b397-38f2-615376cefc97:54440c4b-d405-4468-9f32-26875ed9ec38 is 100 percent complete.
```

Appendix A: HPE OmniStack rehomed topics

Throughout the lifecycle of the product, release note entries are removed, updated, or occasionally moved into relevant sections of the core documentation as required. The following table provides a correlation between release note entries documented in previous releases, and their current location in the core documentation.

Issue Title	Core document location
Restore Files Wizard does not accurately report folder size	Documented in the "Restore files from a backup" procedure in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
Temporary folders containing FLR media stay present after DVD is unloaded from the virtual machine	Documented in the "Restore files from a backup" procedure in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
File and folder permissions are not preserved in the ISO image of a restored file	Documented in the "Restore files from a backup" procedure in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
Resized datastore hangs silently on faulty OmniStack host	Documented in the: <ul style="list-style-type: none"> • "Resize a datastore" procedure in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>. • svt-datastore-resize reference page in the <i>HPE OmniStack 3.7.6 for vSphere Command Reference Guide</i>.
Restore Files Wizard truncates file names	Documented in the "Restore files from a backup" procedure in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
Data temporarily unavailable when HPE OmniStack host reaches 97% capacity	Documented in the "Capacity Alarms" section of the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
Policy backups for rebuilt datacenter fail	Documented in the "Host removal" section in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
Ambiguous error message with file level restore	Added clarifying information about ISO image file to the "Restore files from a backup" procedure in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>
HPE OmniStack host fails to list partitions with \$ in the name	Documented in the "Disk and partition configurations that are NOT compatible with restoring individual files" section in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>

Issue Title	Core document location
Deleting remote backups when source failure domain is offline fails	Documented in the "HPE SimpliVity backup policies" section in the <i>HPE OmniStack 3.7.6 for vSphere Administration Guide</i>

Appendix B: Support and other resources

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<http://www.hpe.com/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
support.hpe.com

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:
 - Hewlett Packard Enterprise Support Center
support.hpe.com
 - Hewlett Packard Enterprise Support Center: Software downloads
<http://www.hpe.com/support/downloads>
 - Software Depot
<http://www.hpe.com/support/softwaredepot>
- To subscribe to eNewsletters and alerts:
<http://www.hpe.com/support/e-updates>
- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:
<http://www.hpe.com/support/AccessToSupportMaterials>

NOTE:

Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected <http://www.hpe.com/services/getconnected>

HPE Proactive Care services <http://www.hpe.com/services/proactivecare>

**HPE Proactive Care service:
Supported products list** <http://www.hpe.com/services/proactivecaresupportedproducts>

**HPE Proactive Care advanced
service: Supported products
list** <http://www.hpe.com/services/proactivecareadvancedsupportedproducts>

Proactive Care customer information

Proactive Care central <http://www.hpe.com/services/proactivecarecentral>

**Proactive Care service
activation** <http://www.hpe.com/services/proactivecarecentralgetstarted>

Warranty information

To view the warranty information for your product, see the links below:

**HPE ProLiant and IA-32
Servers and Options** <http://www.hpe.com/support/ProLiantServers-Warranties>

**HPE Enterprise and Cloudline
Servers** <http://www.hpe.com/support/EnterpriseServers-Warranties>

HPE Storage Products <http://www.hpe.com/support/Storage-Warranties>

HPE Networking Products <http://www.hpe.com/support/Networking-Warranties>

Regulatory information

To view the regulatory information for your product, view the ***Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products***, available at the Hewlett Packard Enterprise Support Center:

<http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts>

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

<http://www.hpe.com/info/reach>

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

<http://www.hpe.com/info/ecodata>

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

<http://www.hpe.com/info/environment>

Documentation feedback

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback (<mailto:docsfeedback@hpe.com>). When submitting your feedback, include the document title, part number, edition, and publication date located on the front cover of the document. For online help content, include the product name, product version, help edition, and publication date located on the legal notices page.