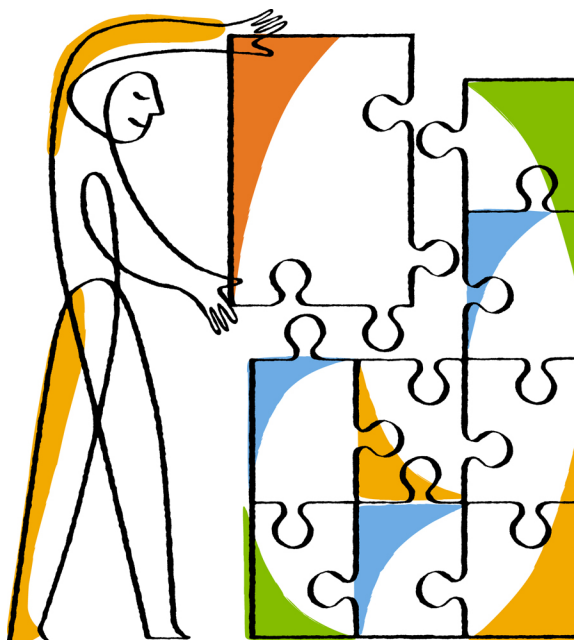




OnCommand® Unified Manager

Host Package 1.3 Release Notes



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OnCommand Unified Manager Host Package 1.3 overview

These release notes describe new features, changes in the release, fixed issues, limitations, and known issues for OnCommand Unified Manager Host Package 1.3.

OnCommand Unified Manager Host Package 1.3 is compatible with OnCommand Unified Manager Core Package 5.2 only. You cannot use an earlier version of the Host Package with OnCommand Unified Manager Core Package 5.2.

Overview of OnCommand Unified Manager Host Package

OnCommand Unified Manager Host Package is part of the OnCommand Unified Manager family of NetApp management software.

OnCommand Unified Manager Host Package allows you to view physical-to-virtual relationships and manage backup and recovery in virtual environments.

You can manage the physical storage and the virtual objects on primary and secondary storage by installing OnCommand Unified Manager Core Package.

Note: Use of the backup and recovery capability on OnCommand Unified Manager Host Package 1.2 or later requires an SMVI software license in addition to any other licensing requirements.

Components included with OnCommand Unified Manager Host Package

OnCommand Unified Manager host service VMware plug-in	A plug-in that receives and processes events in a VMware environment, including discovering, restoring, and backing up virtual objects such as virtual machines or datastores. This plug-in executes the events received from the host service.
Host service	Software that enables the DataFabric Manager server to forward requests, such as the request for a restore operation, to the appropriate plug-in and to send the final results of the specified job to that plug-in.
Host service Windows PowerShell cmdlets	Cmdlets that perform virtual object discovery, local restore operations, and host configuration when the DataFabric Manager server is unavailable.

New and changed features in OnCommand Unified Manager Host Package 1.3

You should be familiar with the features that were added or changed in this release.

OnCommand Unified Manager Host Package new features

OnCommand Unified Manager Host Package 1.3 includes new features such as support for the licensing infrastructure in Data ONTAP 8.2, support for vSphere 5.1, and backup mount and remote restore in an NFS VLAN environment.

Support for Data ONTAP 8.2

OnCommand Unified Manager Host Package supports the licensing changes implemented in Data ONTAP 8.2.

You must use OnCommand Unified Manager Host Package 1.3 to monitor and manage Data ONTAP 8.2 storage objects.

Support for vSphere 5.1

OnCommand Unified Manager Host Package supports vSphere 5.1.

Backup mount and remote restore

OnCommand Unified Manager Host Package 1.3 provides the capability to backup mount and remotely restore a dataset on a VMware ESX server.

OnCommand Unified Manager Host Package changes

OnCommand Unified Manager Host Package 1.3 supports installation on 64-bit servers only. The 32-bit installer is no longer supported.

You can uninstall the previous version of the OnCommand Unified Manager Host Package and install the 64-bit Host Package 1.3.

If you want to upgrade to Host Package 1.3 and retain your DataFabric Manager server database and backup copies, you must migrate the database before upgrading to Host Package 1.3. You must contact technical support to obtain assistance in planning the Host Package migration and perform the upgrade.

System requirements

Before you begin the software installation process, you must ensure that your host system conforms to all supported platform requirements. Servers running OnCommand Unified Manager Core Package or OnCommand Unified Manager Host Package must meet specific software, hardware, and operating system requirements.

For software, hardware, and operating system requirements or the most current requirements, see the Interoperability Matrix.

Related information

[Interoperability Matrix: support.netapp.com/matrix](https://support.netapp.com/matrix)

OnCommand Unified Manager Host Package 1.3 fixed issues

Some known issues are fixed in OnCommand Unified Manager Host Package 1.3.

For details about each bug, see the bug ID in Bugs Online on the NetApp Support Site at support.netapp.com/NOW/cgi-bin/bol.

The backup mount and the remote restore operations fail in NFS environments with segregated networks

The backup mount and the remote restore operations fail with an error message Unable to connect to NFS server, where all the storage system network interfaces are not accessible to the VMware ESX server that is used to mount the backup.

OnCommand host services storage mapping does not work (588281)

You cannot perform storage mapping for VMware systems to systems running Data ONTAP 8.1 if the MultiStore license is enabled and the `licensed_feature.multistore.enable` option is disabled.

OnCommand Unified Manager Host Package limitations

OnCommand Unified Manager Host Package 1.3 includes limitations that you should consider before you configure your environment.

- Support for Data ONTAP is limited to 7-Mode.
- You cannot create a backup of a virtual machine on which OnCommand Unified Manager Host Package is installed.
- vFiler units are not supported on secondary and tertiary nodes of a dataset with only virtual objects.
- Creating VMware NFS datastores on a directory-level NFS export is not supported for backup operations.

NFS exports must be created at the volume or qtree level.

OnCommand Unified Manager Host Package 1.3 known issues

You must be aware of the known issues and workarounds for each of the OnCommand Unified Manager Host Package features so that you can use the product more effectively.

For details about each bug, see the bug ID in Bugs Online on the NetApp Support Site at support.netapp.com/NOW/cgi-bin/bol.

Third-party backup applications might interfere with data protection capability (656297)

The protection capability of virtual datasets might interfere with certain third-party backup applications that are protecting the same data. These third-party backup applications include CA ArcServe, Symantec Backup Exec, Symantec NetBackup, VMware VRanger, EMC Networker, and so on.

Workaround

None.

BAD login status in host service after the storage system IP address is changed (653385)

After you change the IP address of a storage system and rediscover the host service, the login status of the storage system might be displayed as BAD.

Workaround

1. From the OnCommand console, select **Manage Host services** from the Administration tab, and then click the storage controller whose IP address you changed.
2. In the Storage tab, click **Edit**.
The **Edit Storage Controller Settings** box is displayed in the Operations Manager console.
3. In the **Primary IP Address** field, replace the old IP address with the new one, and then click **Update**.
4. Refresh the page.
The system status changes from Down to Up.
5. In the command-line interface (CLI), enter the following command:

```
dfm hs controller setlogin -p rpc|http|https host_service  
controller_name_or_ip
```

The BAD login status is no longer displayed.

Host service registration fails after installing OnCommand Unified Manager Host Package

If the DataFabric Manager server cannot reach an interface on the Windows server in which the Host Package is installed, the host service fails to register with the DataFabric Manager server.

Workaround

Register the host service by using the following command with the `-i` option to specify the DataFabric Manager server interface that is accessible:

```
dfm hs register -i DataFabric_Manager_server_IP Host_service_IP_or_DNS
```

Host service does not register the new vCenter Server

If you modify the Host Package installer to manage a new vCenter Server, reregistering the host service is completed successfully. However, the host service does not manage the new vCenter Server.

Workaround

None.

DataFabric Manager server might stop responding during VMware server deployment

The DataFabric Manager server deployed on a VMware server might cause the DataFabric Manager server database to stop responding.

The issue occurs because the virtual machine snapshot functionality locks the database transaction log and prevents the Sybase iAnywhere database from writing to it.

Workaround

None.

Some virtual objects do not have storage mapping

A DataFabric Manager server running in a 7-Mode environment might erroneously discover some virtual objects in storage systems running clustered Data ONTAP.

Workaround

Delete the storage systems running clustered Data ONTAP.

Plug-in Manager of vSphere Client displays old product name and description

After installing OnCommand Unified Manager Host Package software, the Plug-in Manager of the vSphere Client displays an old product name and description, such as Virtual Storage Console.

Workaround: Restart the vCenter Server and then log in to the vSphere Client to see the correct product name and description.

Server Core is not supported

If the vCenter Server is installed on a remote system, installation of OnCommand Unified Manager Host Package software is not supported on Server Core systems, which is a minimal server installation option for Windows Server 2008 or later.

Restore jobs fail after downgrading from vCenter Server 5.0 to 4.x

The OnCommand Unified Manager Host Package restore jobs on NFS datastores fail after downgrading from vCenter Server 5.0 to vCenter Server 4.x.

If you schedule backups on a server running vCenter Server 5.0, when you downgrade the server to vCenter Server 4.x, your backups fail to restore. You can restore backups taken on a server running vCenter Server 4.x after upgrading to vCenter Server 5.0 because logic is applied that restores old backups with 4.x NFS UUIDs. However, the same logic that allows for this does not work when downgrading vCenter Server 5.0 to version 4.x.

Workaround

Ensure that you restore any backups prior to downgrading your vCenter Server 5.0 to version 4.x.

Mounted backups fail to unmount after upgrading to vCenter Server 5.0

Upgrading vCenter Server with a mounted backup causes issues while unmounting.

If a backup is mounted when you attempt to upgrade from vCenter Server 4.0 to version 5.0, attempts to unmount the backup fail. A error message similar to the following is displayed:

```
XXX-XXX-XXX.com: OnCommandHSMware: hsMount4 4234r3w25se342r54s43434  
Error unmounting datastore "netfs://xxx.xx.xxx.xx/vol/clone_xxx"  
because datastore is not found in vCenter.
```

Workaround

Before upgrading to vCenter Server 5.0, ensure that all previously mounted backups are unmounted first.

Storage DRS in vSphere 5.0 migrations require a prior backup to restore original datastore

If you have to restore the original datastore after you have migrated data by using the VMware Storage DRS feature of vSphere 5.0, you must use a backup taken prior to the migration.

vSphere 5.0 introduces a new feature called Storage DRS, which you can use to migrate virtual machines and their associated vmdks from one datastore to another datastore. However, any virtual machines and vmdks that are moved by using Storage DRS can only be restored to the original datastore by using a backup that was taken prior to the Storage DRS migration.

Workaround

Before performing a Storage DRS migration, you must perform an on-demand backup or immediately schedule a backup on the datastore on which the virtual machines and vmdks reside. This task ensures that you can restore operation to the original datastore.

Where to find product documentation and other information

There are additional sources of information for this release of OnCommand Unified Manager Host Package.

The following table describes where to find additional information about OnCommand Unified Manager Host Package:

To learn about...	Go to this information source...
How to download and install OnCommand Unified Manager Host Package software, and troubleshoot issues	<i>OnCommand Unified Manager Installation and Setup Guide</i>
Details about supported configurations, such as VMware vCenter Server Heartbeat	Interoperability Matrix Tool
<i>NetApp and VMware View Solution Guide</i>	Technical Report 3705
<i>Best Practices for File System Alignment in Virtual Environments</i>	Technical Report 3747
<i>NetApp and VMware vSphere Storage Best Practices</i>	Technical Report 3749

For more information about Technical Reports, see the NetApp Support Site.

Related information

Interoperability Matrix: support.netapp.com/matrix

NetApp Support Site: support.netapp.com

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