



VMware HCX 4.3.1 Release Notes

Updated on: 18 Feb 2022

VMware HCX 4.3.1 | 18 Feb 2022 | Build 19373134 (Connector), Build 19373238 (Cloud)

Check for additions and updates to these release notes.

What's in the Release Notes

The release notes cover the following topics:

- [About VMware HCX](#)
- [Upgrade Considerations](#)
- [What's New in this Release](#)
- [Resolved Issues](#)
- [Security Issues](#)
- [Deprecation Notices](#)

About VMware HCX

VMware HCX delivers secure and seamless application mobility and infrastructure hybridity across both on-premises and in the cloud. HCX abstracts the distinct private or public vSphere resources and presents a Service Mesh as an end-to-end entity. HCX Interconnect can then provide high-performance, secure, and optimized multi-site connectivity to achieve infrastructure hybridity and present multiple options for bi-directional virtual machine mobility with technologies that facilitate the modernization of legacy data centers.

For more information, see the [VMware HCX User Guide](#) in the VMware Documentation Center.

Upgrade Considerations

- Upgrading to HCX 4.3.1 is supported only from HCX 4.0.x or later.
- HCX 4.0.0 is the oldest version suitable for upgrade. Customers running older releases are required to upgrade to HCX 4.0.x first before upgrading to HCX 4.3.1.
- Assistance with upgrading from out-of-support releases is on a best-effort basis.
- VMware sends administrative messages to HCX systems that are running out of support and require upgrade.

Upgrade compatibility information is available as a table in [VMware Product Interoperability Matrix - Upgrade Path](#).

What's New in this Release

Required Update

Upgrade to the VMware HCX 4.3.1 release is required for all deployments running 4.3.0. It provides security updates, general usability and serviceability enhancements, and fixes for known issues. HCX Connector and HCX Cloud Manager systems must be upgraded. Upgrade of HCX Service Mesh appliances may be deferred but is recommended at the earliest.

Plans for upgrading from previous versions (4.0.x, 4.1.x, 4.2.x) must target 4.3.1 instead. Release 4.3.0 will no longer be available for download given the required update.

Usability Enhancements

The Network Extension High Availability feature now includes a **Force Redeploy HA Group** option, which is available from both the HA Management and View Appliances pages.

Enhancements to HCX System Updates

The "HCX Connector download" option provides a link to same release as the HCX Cloud Manager, to ensure full feature compatibility between sites. Previously, only the latest version was provided.

The list of available updates includes only those that are suitable for upgrade from the version running. Previously, all received updates were listed.

The user can "Check for Updates" to get the latest version within an hour after deployment or upgrade. In the event that the update is not received, the user can attempt it again after 30 minutes. Previously, that was allowed only after 24 hours.

Resolved Issues

Resolved Interconnect Issues

- PR/2882492 – HCX system logs report hundreds of messages: "Error exchanging thumbprints."
- PR/2908276 – Tasks for editing or previewing the Service Mesh are not processed to completion.
- PR/2908040 – Mobility Agent vHost deployment might not succeed with error, "The host may not be available on the network, a network configuration problem may exist, or the management services on this host may not be responding."
- PR/2890922 – When upgrading HCX Service Mesh appliances, if the new build number is lower, the appliance upgrade banner is not visible.
- PR/2904820 – If an existing HCX Compute Profile does not have the Network Extension service enabled, it does not display after upgrade to HCX 4.3.0.

Resolved Migration Issues

- PR/2908502 – Migrations fail with the error, "Duplicate Key Exception."
- PR/2902644 – Some virtual machines present in vCenter do not appear in the inventory of

VMs in the HCX migration wizard.

Resolved Network Extension Issues

- PR/2869273 – The error “java.lang.NoClassDefFoundError” appears in the Network Extension appliance log.
- PR/2869039 – The Network Extension UI might display MON enablement “in progress” despite the task being completed.
- PR/2903285 – Redeploying or upgrading a Network Extension appliance using the In-Service method might not succeed if the workflow detects and tries to use a certificate from a prior instance

Resolved OS Assisted Migration Issues

- PR/2894692 – Migration fails for Linux systems if *halt* is configured as a service. When the Sentinel agent quiesces the *halt* service, the VM will be powered off, disrupting the migration workflow.

Resolved Management Issues

- PR/2894751 – Appliance activation might take longer than expected.
- PR/2940112 – Processing events in the database may take longer than expected, resulting in slow response from HCX Connector or Cloud Manager.
- PR/2882095 – New installation of HCX 4.3.0.0 via Service Proxy may be incomplete.
- PR/2906217 – Updating NSX credentials after upgrading to HCX 4.3.0 might show the error: “Invalid or unexpected NSX-T configuration.”
- PR/2901184 – Upgrade to HCX 4.3.0 might fail and roll back due to an unsupported unicode escape sequence.
- PR/2897471 – HCX Connector or Cloud Manager system disk space can become full.
- PR/2906320 – HCX Connector or Cloud Manager version 4.3.0 database logs might fill the system’s disk space.
- PR/2874157 – Reverting to a snapshot taken from the HCX Connector or Cloud Manager may disrupt connectivity to HCX service.
- PR/2839790 – HCX Connector or Cloud Manager communication service might not start after upgrading to 4.2.0 or later.
- PR/2919762 – In a Network Extension High Availability group, the active HA Network Extension appliance has high CPU usage.
- PR/2919378 – Failure to upgrade to 4.3.0 causes excessive disk space usage.
- PR/2919367 – Enhanced settings for database maintenance process in 4.3.0.

Security Issues

This release includes important security updates and enhancements.

Deprecation Notices

Deprecated features receive no further development or code fixes, and will be removed in a future release. The following is a summary list of deprecated features in HCX 4.x releases:

- **HCX Site Recovery Manager Integration** – In HCX 4.3, SRM Integration is no longer functional due to the database conversion to PostgreSQL. Existing deployments using the feature must disable it before upgrading. For the initial deprecation notification, see the [HCX 4.0.2 Release Note](#).

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