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VMware HCX 4.2.1 Release Notes

Updated on: 23 Sep 2021

VMware HCX 4.2.1 | 23 SEP 2021 | Build 18668736 (Connector), Build 18668737 (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
- Before You Begin
- What's New in this Release
- Resolved Issues
- Deprecation Notices

About VMware HCX

VMware HCX delivers secure and seamless app mobility and infrastructure hybridity across vSphere 6.0 and later versions, 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. The 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.

Before You Begin

Upgrading to HCX 4.2.1

Review the following information prior to upgrading from R-based releases to HCX 4.2:

- Upgrading to HCX 4.2.1 is supported only from HCX 4.0.x.
- HCX 4.0.0 is the oldest version suitable for upgrade. Customers running older releases are required to upgrade to HCX 4.0.X to support upgrading to HCX 4.2.1
- Assistance with upgrading from out-of-support releases will be 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

VMware HCX 4.2.1 is a maintenance release that provides interoperability enhancements and fixed issues.

Interoperability with VMware vSphere 7.0 Update 3

- With this release, HCX supports vSphere environments running VMware vSphere 7.0 Update 3.
- Interoperability with VMware vSphere 7.0 Update 3 includes environments using vSphere Distributed Switch (VDS) 7.0.
- HCX OS Assisted Migration is not yet available for environments running VMware vSphere 7.0 Update 3.

  Note: For existing vSphere environments migrating from N-VDS to VDS 7.0, make sure that no active HCX interconnect, migration, or network extension operations are in progress. After migrating to VDS 7.0, the HCX Service Mesh must be resynchronized prior to making any Service Mesh changes. See [Updating and Synchronizing the Multi-Site Service Mesh](#).

Resolved Issues

Resolved Interconnect Issues

- PR/2792702 – Deleting the HCX Service Mesh in VMware Cloud for AWS does not delete the groups used in the Redirection Rules that are set for the ingress and egress traffic flow, and those groups remain as stale entries in the cloud NSX-T Manager.

Resolved Migration Issues

- PR/2807538 – During Bulk migration switchover, the Power Off task did not complete as the VM was already powered off due to a delayed shutdown, resulting in a migration failure.

- PR/2812264 – Running thousands of HCX vMotion, Replication Assisted vMotion, and/or Cold migrations may cause the Mobility Agent to fail after some time. See VMware [KB 85837.](#)

- PR/2815128 – Replication Assisted vMotion migration fails with the error, "Server redirected too many times."

Resolved OS Assisted Migration Issues

- PR/2832005 – On a Linux system where localfs is configured as a service, HCX OS Assisted Migration gets stuck in the final sync phase if some file systems get unmounted

as part of the HCX Sentinel service quiescing localfs.

- PR/2828007 – In an environment where hyperthreading is enabled and maxSupportedVcpus is not set, migrating a VM with more vCPUs than the target host CPUs does not succeed.

Resolved System Management Issues

- PR/2820661 – HCX appliance upgrade operations may hang and report a validation error under certain conditions for large deployments.

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 Support** – For the initial deprecation notification, see HCX 4.0.2 Release Note.
- **Migration Dashboards in vROps** – For the initial deprecation notification, see HCX 4.1.0 Release Note.