

VMware Cloud Director Availability On-premises Guides

Guide #6

Upgrade through the VC plugin

You can find the most up-to-date technical documentation on the VMware website at: <https://docs.vmware.com/>

If you have comments about this documentation, submit your feedback to: vcav-light@vmware.com

Prerequisites

After announcing a new **VMware Cloud Director Availability** version, or when the cloud provider notifies you, consider upgrading your replicator appliance. The appliance can be upgraded from the Official Online Repository or by using an ISO file.

- To use the Online Repository, the appliance must have access to the Internet.
- Verify that you begin to upgrade only when the cloud provider notified you.
- Before upgrading, verify that the new the version is compatible with your environment, see the [VMware Product Interoperability Matrices](#).
- Before upgrading, take a backup and snapshot of the replicator virtual machine

Using the Official Online Repository

1. In the vSphere Client plug-in, click **Settings** and under **Version** click the **Check for updates** link or select **Open Update Wizard** at the top banner if new version is available.

The screenshot displays the VMware vSphere Client interface for a Cloud Provider DR and Migration instance (INSTANCE 192.168.2.11:443). The left sidebar shows the 'Settings' menu item highlighted. The main content area displays various configuration sections: Service endpoints (Lookup Service Address), Appliance settings (Root password, Traffic Control, Network, Certificate, NTP server addresses, Logging levels), Security settings (Allow SSH access), Customer Experience Improvement Program participation (Participate in CEIP), and Version (Product version: 4.3.0.3081473-2c5394b35a). A banner at the top right indicates 'New vCDA updates available' with an 'OPEN UPDATE WIZARD' button. A 'Check for updates' button is located at the bottom right of the Version section.

2. In the **Repository** page, leave **Use Official Online Repository** selected and click **Next**.

The screenshot shows the 'Update' dialog box with the 'Repository' tab selected. On the left, a sidebar lists five steps: 1 Repository, 2 Available updates, 3 Release notes, 4 EULA Review, and 5 Ready for update. The main area is titled 'Repository' and contains the instruction 'Enter connection details for the update repository.' Below this, there are three radio button options: 'Use Official Online Repository' (which is selected and highlighted with an orange box), 'Use CDROM Updates', and 'Use Specified Repository'. At the bottom right, there are 'CANCEL' and 'NEXT' buttons.

3. In the **Available updates** page, if an update is available in the official online repository, select the version and click **Next**.

The screenshot shows the 'Update' dialog box with the 'Available updates' tab selected. The sidebar on the left now highlights '2 Available updates'. The main area is titled 'Available updates' and contains the instruction 'Choose the version you wish to upgrade to, then click Next.' Below this, there is a single radio button option: 'VMware Cloud Director Availability 4.3.0.3095245', which is selected. At the bottom right, there are 'CANCEL', 'BACK', and 'NEXT' buttons.

4. In **Release Notes** page, review the notes and click **Next**

Update

- 1 Repository
- 2 Available updates
- 3 Release notes
- 4 EULA Review
- 5 Ready for update

Release notes

Product Name 4.3.0.3130668 Release Notes

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What's new

- New feature 1
- New feature 2
- New feature 3

Resolved issues

Bug title 1

CANCEL
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5. In the **EULA Review** page, review the EULA and click **Next**.

Update

- 1 Repository
- 2 Available updates
- 3 Release notes
- 4 EULA Review
- 5 Ready for update

EULA Review

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Last updated: 03 May 2021

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6. In the **Ready for update** page, select “I have created a backup archive of the appliance” checkbox and click **Finish** and wait for the upgrade to complete.

Update

- 1 Repository
- 2 Available updates
- 3 Release notes
- 4 EULA Review
- 5 Ready for update

Ready for update

The update procedure could take a few minutes. After it finishes, the appliance will be rebooted and there could be potential downtime.

⚠ Before clicking Finish, make sure that you create a backup archive of the appliance!
Click here to go to the [Backup Archives](#) page.

☒ I have created a backup archive of the appliance.

CANCEL BACK FINISH

Note: The appliance upgrade can take some time to complete.

Using an ISO file

1. Mount the **VMware Cloud Director Availability** ISO image to the replicator appliance VM.

VM Hardware

- > CPU 2 CPU(s)
- > Memory 4 GB, 0.36 GB memory active
- > Hard disk 1 10 GB
- > Network adapter 1 gp-sa-esx_mgmt (connected)
- ▼ CD/DVD drive 1
- > Video card 4 MB
- VMCI device Device on the virtual machine PCI bus that provides support for the virtual machine communication interface
- > Other Additional Hardware
- Compatibility ESXi 5.5 and later (VM version 10)

Connected to Host image file

File [NFS-Datastore] VMware-Cloud-Director-Availability-4.3.0.3095245-9308521ec0.iso

- Open an SSH connection to the appliance and verify that the CD-ROM drive is mounted by using the **mount** command.

If the CD-ROM drive is not mounted, run the following command:

'mount /dev/cdrom /mnt/cdrom/'

```
root@photon-machine [ ~ ]# mount /dev/cdrom /mnt/cdrom/
mount: /mnt/cdrom: WARNING: source write-protected, mounted read-only.
root@photon-machine [ ~ ]# mount
proc on /proc type proc (rw,nosuid,nodev,noexec,relatime)
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,relatime)
devtmpfs on /dev type devtmpfs (rw,nosuid,noexec,size=2011224k,nr_inodes=502806,mode=755)
securityfs on /sys/kernel/security type securityfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /dev/shm type tmpfs (rw,nosuid,nodev)
devpts on /dev/pts type devpts (rw,nosuid,noexec,relatime,gid=5,mode=620,ptmxmode=000)
tmpfs on /run type tmpfs (rw,nosuid,nodev,size=807484k,nr_inodes=819200,mode=755)
tmpfs on /sys/fs/cgroup type tmpfs (ro,nosuid,nodev,noexec,size=4096k,nr_inodes=1024,mode=755)
cgroup on /sys/fs/cgroup/systemd type cgroup (rw,nosuid,nodev,noexec,relatime,xattr,release_agent=/usr/lib/sy
cgroup on /sys/fs/cgroup/pids type cgroup (rw,nosuid,nodev,noexec,relatime,pids)
cgroup on /sys/fs/cgroup/devices type cgroup (rw,nosuid,nodev,noexec,relatime,devices)
cgroup on /sys/fs/cgroup/net_cls,net_prio type cgroup (rw,nosuid,nodev,noexec,relatime,net_cls,net_prio)
cgroup on /sys/fs/cgroup/memory type cgroup (rw,nosuid,nodev,noexec,relatime,memory)
cgroup on /sys/fs/cgroup/freezer type cgroup (rw,nosuid,nodev,noexec,relatime,freezer)
cgroup on /sys/fs/cgroup/blkio type cgroup (rw,nosuid,nodev,noexec,relatime,blkio)
cgroup on /sys/fs/cgroup/cpu,cpuacct type cgroup (rw,nosuid,nodev,noexec,relatime,cpu,cpuacct)
cgroup on /sys/fs/cgroup/hugetlb type cgroup (rw,nosuid,nodev,noexec,relatime,hugetlb)
cgroup on /sys/fs/cgroup/perf_event type cgroup (rw,nosuid,nodev,noexec,relatime,perf_event)
cgroup on /sys/fs/cgroup/cpuset type cgroup (rw,nosuid,nodev,noexec,relatime,cpuset)
/dev/sda3 on / type ext4 (rw,relatime)
systemd-1 on /proc/sys/fs/binfmt_misc type autofs (rw,relatime,fd=35,pgrp=1,timeout=0,minproto=5,maxproto=5,d
hugetlbfs on /dev/hugepages type hugetlbfs (rw,relatime,pagesize=2M)
mqueue on /dev/mqueue type mqueue (rw,nosuid,nodev,noexec,relatime)
debugfs on /sys/kernel/debug type debugfs (rw,nosuid,nodev,noexec,relatime)
tmpfs on /tmp type tmpfs (rw,nosuid,nodev,size=2018712k,nr_inodes=409600)
configfs on /sys/kernel/config type configfs (rw,nosuid,nodev,noexec,relatime)
fusectl on /sys/fs/fuse/connections type fusectl (rw,nosuid,nodev,noexec,relatime)
/dev/sda2 on /boot/efi type vfat (rw,nosuid,nodev,relatime,mask=0022,dmask=0022,codepage=437,iocharset=ascii
tmpfs on /run/user/0 type tmpfs (rw,nosuid,nodev,relatime,size=403740k,nr_inodes=100935,mode=700)
/dev/sr0 on /mnt/cdrom type iso9660 (ro,relatime,nojoliet,check=s,map=n,blocksize=2048)
root@photon-machine [ ~ ]#
```

- In the vSphere Client plug-in, click **Settings** and under **Version** click the **Check for updates** link or select **Open Update Wizard** at the top banner if new version is available.

The screenshot displays the vSphere Client interface. In the left sidebar, the 'Settings' option is selected and highlighted with an orange box. The main content area shows the 'Settings' page for the appliance. At the top, there is a banner indicating 'New vCDA updates available' with an 'OPEN UPDATE WIZARD' button. The 'Version' section at the bottom shows the 'Product version' as 4.3.0.3081473-2c5394b35a, with a 'Check for updates' button highlighted by an orange box.

4. In the **Repository** page, select **Use CDROM Updates** and click **Next**.

The screenshot shows a dialog box titled 'Update' with a sidebar on the left and a main content area on the right. The sidebar contains a list of steps: 1 Repository, 2 Available updates, 3 Release notes, 4 EULA Review, and 5 Ready for update. The 'Repository' step is selected and highlighted. The main content area is titled 'Repository' and contains the text 'Enter connection details for the update repository.' Below this text are three radio button options: 'Use Official Online Repository', 'Use CDROM Updates' (which is selected and highlighted with an orange rectangle), and 'Use Specified Repository'. At the bottom right of the dialog are two buttons: 'CANCEL' and 'NEXT'.

5. In the **Available updates** page, if an update is available in the official online repository, select the version and click **Next**.

The screenshot shows the same 'Update' dialog box, but now the 'Available updates' step is selected in the sidebar and highlighted. The main content area is titled 'Available updates' and contains the text 'Choose the version you wish to upgrade to, then click Next.' Below this text is a single radio button option: 'VMware Cloud Director Availability 4.3.0.3095245', which is selected. At the bottom right of the dialog are three buttons: 'CANCEL', 'BACK', and 'NEXT'.

6. In **Release Notes** page, review the notes and click **Next**

Update

1 Repository
2 Available updates
3 **Release notes**
4 EULA Review
5 Ready for update

Release notes

Product Name 4.3.0.3130668 Release Notes

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What's new

- New feature 1
- New feature 2
- New feature 3

Resolved issues

Bug title 1

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7. In the **EULA Review** page, review the EULA and click **Next**.

Update

1 Repository
2 Available updates
3 Release notes
4 **EULA Review**
5 Ready for update

EULA Review

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8. In the **Ready for update** page, select “I have created a backup archive of the appliance” checkbox and click **Finish** and wait for the upgrade to complete.

Update

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Ready for update

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⚠ Before clicking Finish, make sure that you create a backup archive of the appliance!
[Click here to go to the Backup Archives page.](#)

☒ I have created a backup archive of the appliance.

CANCEL BACK FINISH

Note: The Internet browser caches the VMware Cloud Director Availability UI. After upgrading, the cache could lead to false configuration or wrong functionality being shown. To ensure that you load the upgraded UI, clear the browser cache. You can press Ctrl+F5 or Ctrl+Shift+R (Cmd+Shift+R for Mac) or clear the cache in the browser settings when opening the UI for the first time after upgrading.



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