

# VMware Cloud Director Availability On-premises Guides

Guide #5

Check for upgrades and upgrade the appliance

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

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## 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 replicator admin UI or in the vSphere Client plug-in, click **Settings** and under **Version** click the **Check for updates** link.

The screenshot displays the VMware Cloud Director Availability Replicator Service Settings page. The left sidebar contains a navigation menu with categories like My-On-Premise, Replications, and System. The 'System' category is expanded, and 'Settings' is selected, indicated by an orange box and an arrow labeled '1'. The main content area is divided into several sections: Site settings (including Pairing and Placement), Service endpoints (including Lookup Service Address), Appliance settings (including Root password, Traffic Control, Network, Certificate, NTP server addresses, and Logging levels), Security settings (including Allow SSH access), Customer Experience Improvement Program participation (including Participate in CEIP), and Version (including Product version). The 'Product version' is listed as '4.3.0.3081473-2c5394b35a', and a 'Check for updates' button is visible at the bottom right, highlighted with an orange box and an arrow labeled '2'.

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

The screenshot shows the 'Update' wizard with the 'Repository' step selected in the left sidebar. 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' wizard with the 'Available updates' step selected in the left sidebar. 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

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

What's new

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

Resolved issues

Bug title 1

CANCEL

BACK

NEXT

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

By clicking 'NEXT' you agree to the following End User License Agreement

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Last updated: 03 May 2021

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CANCEL

BACK

NEXT

- 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

- Repository
- Available updates
- Release notes
- EULA Review
- 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

- 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    |   |
| Connected to        | Host image file   |
| File                | [NFS-Datastore] VMware-Cloud-Director-Availability-4.3.0.3095245-9308521ec0.iso                             |
| > 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)  |

- 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,fmask=0022,dmask=0022,codepage=437,ioccharset=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 replicator admin UI or in the vSphere Client plug-in, click **Settings** and under **Version** click the **Check for updates** link.

**VMware Cloud Director Availability**  
Replicator Service

My-On-Premise

- Replications
  - Outgoing Replications
  - Incoming Replications
  - Replication Tasks
  - Emergency Recovery
  - Source Replications
- System
  - Settings**
  - L2 Stretch
  - System Health
  - System Tasks
  - Support Bundles
  - Backup Archives
- About

**Settings**

Site settings

- Pairing: Paired to org01 at CLOUD-01 [Repair] [Unpair]
- Placement to newly recovered VMs on this site: 192.168.1.10 [Remove] [Edit]

Service endpoints

- Lookup Service Address: https://192.168.1.10:443/lookupservice/sdk [Remove] [Edit]

Appliance settings

- Root password: \*\*\*\*\* [Change]
- Traffic Control: OK [Edit]
- Network: photon-machine [Edit]
- Certificate: 11/22/2021, 11:08:17 AM - 11/22/2022, 11:08:17 AM [Import] [Regenerate]
- NTP server addresses: 10.23.108.1 [Edit]
- Logging levels: Default: INFO [Edit]

Security settings

- Allow SSH access: SSH access is allowed. [Edit]

Customer Experience Improvement Program participation

- Participate in CEIP: Yes [Edit]

Version

- Product version: 4.3.0.3081473-2c5394b35a [Check for updates]

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

The screenshot shows a two-pane window titled 'Update' on the left and 'Repository' on the right. The left pane has a sidebar with five items: '1 Repository' (selected), '2 Available updates', '3 Release notes', '4 EULA Review', and '5 Ready for update'. The right pane 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 window 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 a two-pane window titled 'Update' on the left and 'Available updates' on the right. The left pane has a sidebar with five items: '1 Repository', '2 Available updates' (selected), '3 Release notes', '4 EULA Review', and '5 Ready for update'. The right pane 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 window 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

CANCEL

BACK

NEXT

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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CANCEL

BACK

NEXT



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

- 1 Repository
- 2 Available updates
- 3 Release notes
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- 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 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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