

VMware Cloud Director Availability On-premises Guides

Guide #3

Initial configuration

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

Initial configuration

1. After the replicator is deployed, go to https://appliance_ip_or_url/admin and enter the password set during the OVA deployment.

VMware Cloud Director
Availability™

Login type
Appliance login

Username
root


Password
Password

LOGIN

2. Change the initial password, following the requirements as shown in the **New Password** tooltip.

Note: The initial password can also be changed in the console. On the first console login, it is required to change the initial password. If the password is changed in the console, it is not required to also change it in the UI.



VMware Cloud Director Availability Appliance Password


 The appliance **root** password has expired. You must change it before you can start using the service.


Enter the current and the new passwords for the VMware Cloud Director Availability Appliance.

Current Password *


Mandatory field.

New Password  *




Confirm Password





Password must be at least 8 symbols and contains lowercase, uppercase, number and special character


CANCEL


APPLY

**VMware Cloud Director Availability**
Replicator Service

 Getting Started

 Settings

 About

**VMware Cloud Director Availability™**

Run the initial wizard to complete the configuration. You must set the vCenter Server Lookup Service endpoint in order to use SSO authentication.

- Run the [initial setup wizard](#)

Steps to restore from a backup archive

1. [Import the backup archive in each on-premises appliance instance \(this appliance\)](#)

If needed, you can first configure the network.

- [Configure network](#)

For help, see the [VMware Cloud Director Availability documentation](#).

3. In the left pane, click **Settings** and under **Appliance settings**, configure or verify the already configured network details.

VMware Cloud Director Availability
Replicator Service

Getting Started
Settings
About

Appliance settings

Network photon-machine [Edit](#)

IPv4 Default Gateway	192.168.2.253
IPv6 Default Gateway	
DNS Servers	192.168.1.1
Domain Search Path	

ens160 DHCP_V4 [Static routes](#) | [Edit](#)

IP Address	192.168.2.11/24
MTU	1500 (bytes)
MAC Address	00:50:56:9f:60:12
State	✔ routable (configured)
NTP server addresses	10.23.1.1

Security settings

Allow SSH access	SSH access is allowed.	Edit
------------------	------------------------	----------------------

4. VMware Cloud Director Availability has a built-in NTP connectivity check. After the appliance is configured, in the **System health** section, under **Service status** verify the **NTP connectivity** status.

System health	
Service status	
Address	https://192.168.2.11
Instance ID	452173aa-f124-45ae-93d9-d5c94e676e53
Server time	11/23/2021, 1:54:42 PM
Lookup Service connectivity	✔ https://192.168.1.10
vSphere plugin status	✔ OK ⓘ
vSphere version	7.0
Database connectivity	✔ OK
LWD connectivity	✔ OK
VRS connectivity	✔ OK
H4DM connectivity	✔ OK
NTP connectivity	✔ OK
Free disk space	✔ 86%

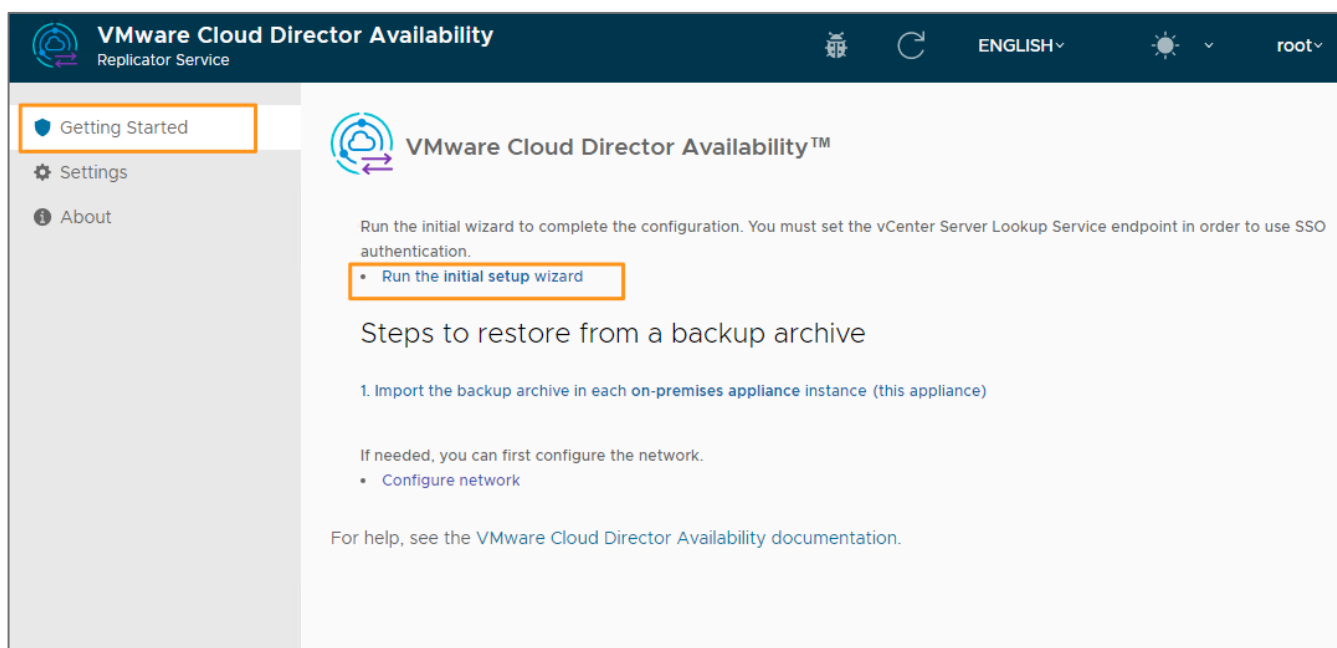
Note: The NTP server is critical for VMware Cloud Director Availability! For reliable operations, the replicator must be in time sync with the Platform Service Controller (Lookup Service).

Alternatively, to verify the NTP connectivity before completing the initial configuration, open the replicator console and run the following command:

```
systemctl show systemd-timesyncd.service | grep StatusText
```

```
root@onprem01 [ ~ ]# systemctl show systemd-timesyncd.service | grep StatusText
StatusText=Synchronized to time server 10.23.1.1:123 (10.23.1.1).
```

5. In the **Getting started** page, to set up the replicator click the **Run initial setup wizard** link.



The Initial Setup wizard opens.

6. In the **Lookup Service** page, enter the Lookup Service address and enter the SSO credentials.

The screenshot shows the 'Initial Setup' wizard with the 'Lookup Service' step selected. The 'Lookup Service Details' section contains the following fields:

- Lookup Service Address:** *
- SSO Admin Username:** *
- Password:** *

Below the fields is a warning message:

i Applying the configuration will install the VMware Cloud Director availability plugin in the vSphere Client. To be able to use the plugin to monitor and manage your DR workflows, you must provide the address (FQDN, IP) you will be using to access the vSphere Web Client. If you provide IP here and then access the vSphere client by FQDN, the plugin will not be accessible.

At the bottom right are 'CANCEL' and 'NEXT' buttons.

7. Verify the thumbprint and accept the Lookup Service certificate.

The screenshot shows the 'Initial Setup' dialog with the 'Lookup Service Details' page selected. A yellow warning box is displayed in the center, asking 'Do you trust the server certificate?'. The warning box contains the following information:

- Certificate**
9/4/2019, 1:37:21 PM - 8/29/2029, 1:37:20 PM
- Issued To**
Common Name (CN)
[Redacted]
- Organization (O)
Organization Unit (OU)
- Issued By**
Common Name (CN)
CA
Organization (O)
[Redacted]
- Organization Unit (OU)
VMware Engineering
- Fingerprints**
SHA-256:B7:8B:16:44:2D:5A:4C:EB:E9:D7:26:86:74:F3:F8:AF:C6:19:71:BD:17:90:73:2A:0E:4B:D7:76:15:A1:1E:93

At the bottom of the warning box are 'REJECT' and 'ACCEPT' buttons. In the background, the 'Lookup Service Details' page shows the 'Lookup Service Address' as 'https://192.168.110.443/lookupservice/sdk'. At the bottom of the dialog are 'CANCEL' and 'NEXT' buttons.

8. In the **Site Details** page, enter the site name and click **Next**. Optionally, to skip the next step and provide the cloud service details later, select **Provide cloud pairing details later**.

The screenshot shows the 'Initial Setup' dialog with the 'Site Details' page selected. The page contains the following fields and options:

- Site name:** A text field with the value 'My-On-Premise'.
- Description:** A text area with the placeholder text 'Enter some meaningful information about the site.'
- Provide cloud pairing details later:** A toggle switch that is currently turned off.

At the bottom of the dialog are 'CANCEL', 'BACK', and 'NEXT' buttons.

9. In the **Site Details** page, enter the site name and click **Next**. Optionally, to skip the next step and provide the cloud service details later, select **Provide cloud pairing details later**.

Note: By leaving **Allow Access from Cloud** deselected, the replications can be created and managed only by using the on-premises vSphere plug-in. This option can be changed later by editing the pairing configuration.

10. In the **Cloud Service Details** page, click **Next**, verify the thumbprint and accept the cloud certificate.

11. In the **Ready To Complete** page, to provide the placement of newly recovered VMs details later, click **Finish**.

Initial Setup

- 1 Lookup Service
- 2 Site Details
- 3 Cloud Service Details
- 4 Ready To Complete**

Ready To Complete

Site Name	My-On-Premise
Site Description	
Lookup Service Address	https://192.168.1.10:443/lookupservice/sdk
SSO Admin Username	administrator@vsphere.local
Service Endpoint address	https://192.168.2.12:8048
VMware Cloud Director user name	admin@org01
Allow Access from Cloud	Yes

i After you finish the initial setup, you will be able to configure **datacenter to cloud** replications. To activate **cloud to datacenter** replications, you must specify local placement settings.

☐ Configure local placement now

CANCEL BACK FINISH

Optionally, to provide placement details now, select **Configure local placement now**, and click **Finish**.

Initial Setup

- 1 Lookup Service
- 2 Site Details
- 3 Cloud Service Details
- 4 Ready To Complete**

Ready To Complete

Site Name	My-On-Premise
Site Description	
Lookup Service Address	https://192.168.1.10:443/lookupservice/sdk
SSO Admin Username	administrator@vsphere.local
Service Endpoint address	https://192.168.2.12:8048
VMware Cloud Director user name	admin@org01
Allow Access from Cloud	Yes

i After you finish the initial setup, you will be able to configure **datacenter to cloud** replications. To activate **cloud to datacenter** replications, you must specify local placement settings.

☒ Configure local placement now

CANCEL BACK FINISH

The **Configure Placement** wizard opens.

Note: To configure the placement details, see Guide #4. Edit / Configure placement details.



VMware, Inc. 3401 Hillview Avenue Palo Alto CA 94304 USA Tel 877-486-9273 Fax 650-427-5001 vmware.com Copyright © 2020 VMware, Inc.
All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at vmware.com/go/patents. VMware is a registered trademark or trademark of VMware, Inc. and its subsidiaries in the United States and other jurisdictions.
All other marks and names mentioned herein may be trademarks of their respective companies. Item No: vmw-wp-tech-temp-a4-word-101-proof 6/20