



# Modifying Cloud Volumes ONTAP systems

## Cloud Manager 3.5

Aksel Davis, Ben Cammett  
03/12/2020

This PDF was generated from [https://docs.netapp.com/us-en/occm35/task\\_modifying\\_ontap\\_cloud.html](https://docs.netapp.com/us-en/occm35/task_modifying_ontap_cloud.html) on 04/20/2020. Always check docs.netapp.com for the latest.

# Table of Contents

- Modifying Cloud Volumes ONTAP systems..... 1
  - Installing license files on Cloud Volumes ONTAP BYOL systems ..... 1
  - Changing the instance or virtual machine type for Cloud Volumes ONTAP ..... 2
  - Changing between pay-as-you-go configurations..... 2
  - Moving to an alternate Cloud Volumes ONTAP configuration ..... 3
  - Modifying the storage virtual machine name..... 3
  - Changing the password for Cloud Volumes ONTAP..... 4
  - Changing the network MTU for c4.4xlarge and c4.8xlarge instances ..... 4
  - Changing route tables associated with HA pairs ..... 5

# Modifying Cloud Volumes ONTAP systems

You might need to change the configuration of Cloud Volumes ONTAP instances as your storage needs change. For example, you can change between pay-as-you-go configurations, change the instance or VM type, and move to an alternate subscription.

## Installing license files on Cloud Volumes ONTAP BYOL systems

If Cloud Manager cannot obtain a BYOL license file from NetApp, you can obtain the file yourself and then manually upload the file to Cloud Manager so it can install the license on the Cloud Volumes ONTAP system.

### Steps

1. Go to the [NetApp License File Generator](#) and log in using your NetApp Support Site credentials.
2. Enter your password, choose your product (either **NetApp Cloud Volumes ONTAP BYOL for AWS**, **NetApp Cloud Volumes ONTAP BYOL for Azure**, or **NetApp Cloud Volumes ONTAP BYOL HA for AWS**), enter the serial number, confirm that you have read and accepted the privacy policy, and then click **Submit**.

### Example

Password*	<input type="password" value="••••••••"/>
Product Line*	<input type="text" value="NetApp ONTAP Cloud BYOL for AWS"/>
Product Serial #*	<input type="text" value="90120130000000000555"/>

Not only is protecting your data required by law, but your privacy is also very important to us. Please read and agree to the NetApp [Data Privacy Policy](#) before you continue. For information related to NetApp's privacy policy please click here [Privacy Policy](#) or contact [privacy@netapp.com](mailto:privacy@netapp.com).

☒ I have read NetApp's new [Global Data Privacy Policy](#) and understand how NetApp and its selected partners may use my personal data.

Submit

3. Choose whether you want to receive the serialnumber.NLF JSON file through email or direct download.
4. In Cloud Manager, select the Cloud Volumes ONTAP BYOL working environment.
5. In the Storage pane, click the menu icon, and then click **License**.
6. Click **Upload License File**.

7. Click **Upload** and then select the file.

#### *Result*

Cloud Manager installs the new license file on the Cloud Volumes ONTAP system.

## Changing the instance or virtual machine type for Cloud Volumes ONTAP

You can choose from several instance or virtual machine types when you launch Cloud Volumes ONTAP in AWS or Azure. You can change the instance or virtual machine type at any time if you determine that it is undersized or oversized for your needs.

#### *About this task*

- The operation restarts Cloud Volumes ONTAP.

For single node systems, I/O is interrupted.

For HA pairs, the change is nondisruptive. HA pairs continue to serve data.

- Changing the instance or virtual machine type affects AWS or Azure service charges.

#### *Steps*

1. From the working environment, click the menu icon, and then click **Change license or instance** for AWS or click **Change license or VM** for Azure.
2. If you are using a pay-as-you-go configuration, you can optionally choose a different license.
3. Select an instance or virtual machine type, select the check box to confirm that you understand the implications of the change, and then click **OK**.

#### *Result*

Cloud Volumes ONTAP reboots with the new configuration.

## Changing between pay-as-you-go configurations

After you launch pay-as-you-go Cloud Volumes ONTAP systems, you can change between the Explore, Standard, and Premium configurations at any time by modifying the license. Changing the license increases or decreases the raw capacity limit and enables you to choose from different EC2 instance types or Azure virtual machine types.

#### *About this task*

Note the following about changing between pay-as-you-go licenses:

- The operation restarts Cloud Volumes ONTAP.

For single node systems, I/O is interrupted.

For HA pairs, the change is nondisruptive. HA pairs continue to serve data.

- Changing the instance or virtual machine type affects AWS or Azure service charges.

#### *Steps*

1. From the working environment, click the menu icon, and then click **Change license or instance** for AWS or click **Change license or VM** for Azure.
2. Select a license type and an instance type or virtual machine type, select the check box to confirm that you understand the implications of the change, and then click **OK**.

#### *Result*

Cloud Volumes ONTAP reboots with the new license, instance type or virtual machine type, or both.

## Moving to an alternate Cloud Volumes ONTAP configuration

If you want to move between a pay-as-you-go subscription and a BYOL subscription or between a single Cloud Volumes ONTAP system and an HA pair, you can deploy a new system and then replicate data from the existing system to the new system.

#### *Steps*

1. Create a new Cloud Volumes ONTAP working environment.

[Launching Cloud Volumes ONTAP in AWS](#)

[Launching Cloud Volumes ONTAP in Azure](#)

2. If you chose a pay-as-you-go license and the tenant does not have a NetApp Support Site account assigned to it, [manually register the systems with NetApp](#).

Support from NetApp is included with Cloud Volumes ONTAP. To activate support, you must first register the system with NetApp.

3. [Set up one-time data replication](#) between the systems for each volume that you must replicate.
4. Terminate the Cloud Volumes ONTAP system that you no longer need by [deleting the original working environment](#).


## Modifying the storage virtual machine name

Cloud Manager automatically names the storage virtual machine (SVM) for Cloud Volumes ONTAP. You can modify the name of the SVM if you have strict naming standards. For example, you might want it to match how you name the SVMs for your ONTAP clusters.

#### *Steps*

1. From the working environment, click the menu icon, and then click **Information**.

2. Click the edit icon to the right of the SVM name.

Creation time:	Aug 26, 2015 10:31:45 am
SVM Name:	svm_Lab 

3. In the Modify SVM Name dialog box, modify the SVM name, and then click **Save**.

## Changing the password for Cloud Volumes ONTAP

Cloud Volumes ONTAP includes a cluster admin account. You can change the password for this account from Cloud Manager, if needed.



You should not change the password for the admin account through System Manager or the CLI. The password will not be reflected in Cloud Manager. As a result, Cloud Manager cannot monitor the instance properly.

### Steps

1. From the working environment, click the menu icon, and then click **Advanced > Set password**.
2. Enter the new password twice and then click **Save**.

The new password must be different than one of the last six passwords that you used.

## Changing the network MTU for c4.4xlarge and c4.8xlarge instances

By default, Cloud Volumes ONTAP is configured to use 9,000 MTU (also called jumbo frames) when you choose the c4.4xlarge instance or the c4.8xlarge instance in AWS. You can change the network MTU to 1,500 bytes if that is more appropriate for your network configuration.

### About this task

A network maximum transmission unit (MTU) of 9,000 bytes can provide the highest maximum network throughput possible for specific configurations.

9,000 MTU is a good choice if clients in the same VPC communicate with the Cloud Volumes ONTAP system and some or all of those clients also support 9,000 MTU. If traffic leaves the VPC, packet fragmentation can occur, which degrades performance.

A network MTU of 1,500 bytes is a good choice if clients or systems outside of the VPC communicate with the Cloud Volumes ONTAP system.

### Steps

1. From the working environment, click the menu icon and then click **Advanced > Network Utilization**.
2. Select **Standard** or **Jumbo Frames**.
3. Click **Change**.

## Changing route tables associated with HA pairs

You can modify the route tables that include routes to the floating IP addresses for an HA pair. You might do this if new NFS or CIFS clients need to access the HA pair.

### *Steps*

1. From the working environment, click the menu icon and then click **Information**.
2. Click **Route Tables**.
3. Modify the list of selected route tables and then click **Save**.

### *Result*

Cloud Manager sends an AWS request to modify the route tables.

## Copyright Information

Copyright © 2019–2020 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

## Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.