Manage licenses for Cloud Volumes ONTAP

Licenses and subscriptions

NetApp
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Manage licenses for Cloud Volumes ONTAP

Manage capacity-based licensing for Cloud Volumes ONTAP

Manage your capacity-based licenses from the NetApp Console to ensure that your NetApp account has enough capacity for your Cloud Volumes ONTAP systems.

Capacity-based licenses enable you to pay for Cloud Volumes ONTAP per TiB of capacity.

You can manage capacity-based Cloud Volumes ONTAP licenses from the NetApp Console.

> While the actual usage and metering for the products and services managed in the Console are always calculated in GiB and TiB, the terms GB/GiB and TB/TiB are used interchangeably. This is reflected in the Cloud Marketplace listings, price quotes, listing descriptions, and in other supporting documentation

Learn more about Cloud Volumes ONTAP licenses.

How licenses are added to NetApp Console

After you purchase a license from your NetApp sales representative, NetApp will send you an email with the serial number and additional licensing details.

In the meantime, the Console automatically queries NetApp's licensing service to obtain details about the licenses associated with your NetApp Support Site account. If there are no errors, it adds the licenses.

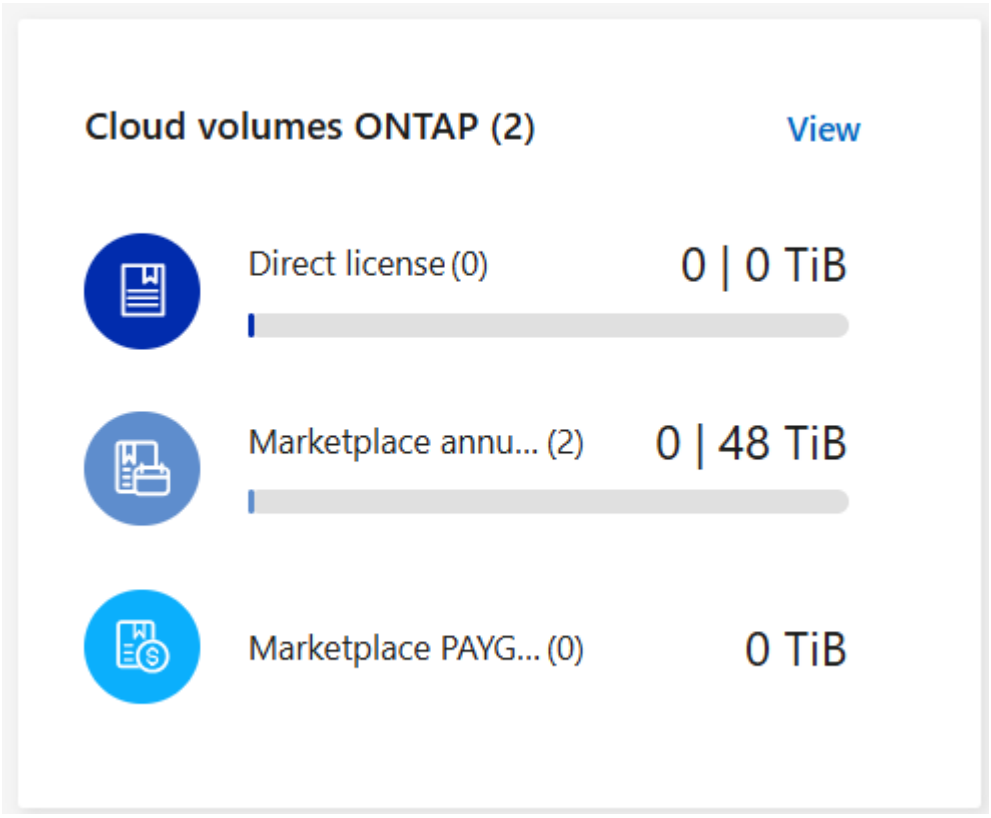
If the Console can't add the license, you'll need to manually add them. For example, if the Console agent is installed at a location that doesn't have internet access, you'll need to add the licenses yourself. Learn how to add purchased licenses to your account.

View the consumed capacity in your account

The Console shows you the total consumed capacity in your account and the consumed capacity by licensing package. This can help you understand how you're being charged and whether you need to purchase additional capacity.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. On the **Overview** tab, the Cloud Volumes ONTAP tile displays the current capacity provisioned for your account.



- *Direct license* is the total provisioned capacity of all Cloud Volumes ONTAP systems in your NetApp account. The charging is based on each volume's provisioned size, regardless of local, used, stored, or effective space within the volume.
- *Annual contract* is the total licensed capacity (bring your own license (BYOL) or Marketplace Contract) that you purchased from NetApp.
- *PAYGO* is the total provisioned capacity using cloud marketplace subscriptions. Charging via PAYGO is used only if the consumed capacity is higher than the licensed capacity or if there is no BYOL license available in the Console.

3. Select **View** to see the consumed capacity for each of your licensing packages.
4. Select the **Licenses** tab to see details for each package license that you have purchased.

   To better understand the capacities that display for the Essentials package, you should be familiar with how charging works. Learn about charging for the Essentials package.

5. Select the **Subscriptions** tab to see the consumed capacity by license consumption model. This tab includes both PAYGO and annual contract licenses.

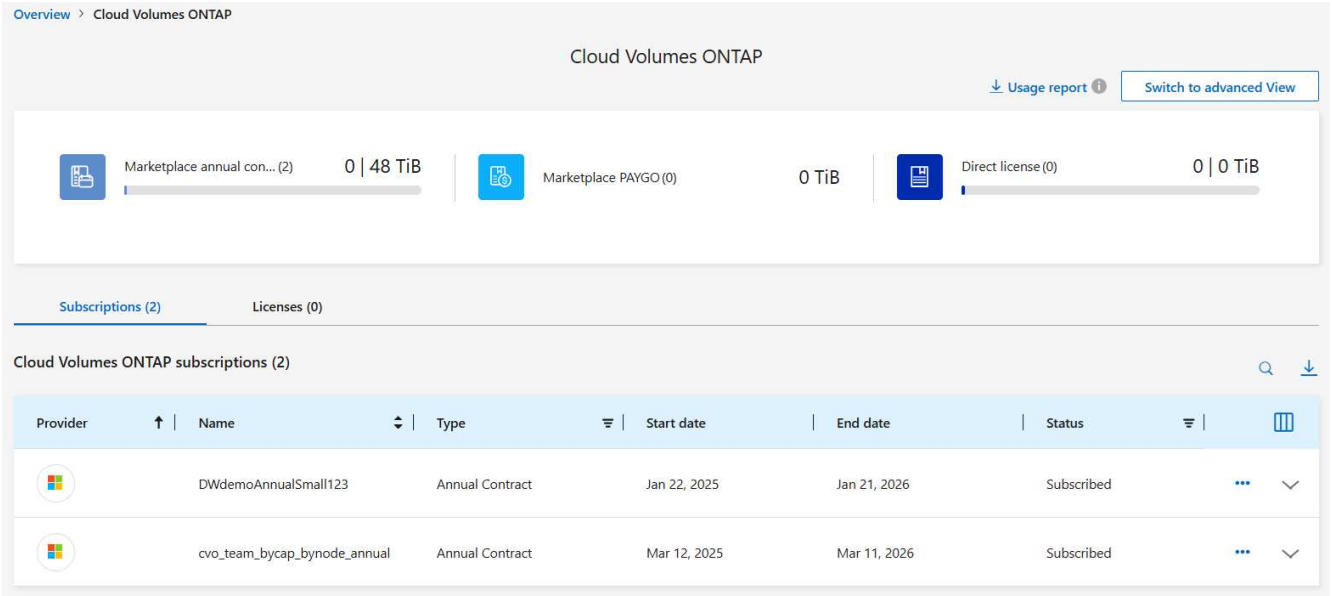
   You'll only see the subscriptions that are associated with the organization that you are that you're currently viewing.

6. As you view the information about your subscriptions, you can interact with the details in the table. Expand a row to view more details.
   - Select to choose which columns appear in the table.
     Note that the Term and Auto Renew columns don't appear by default. The Auto Renew column displays renewal information for Azure contracts only.

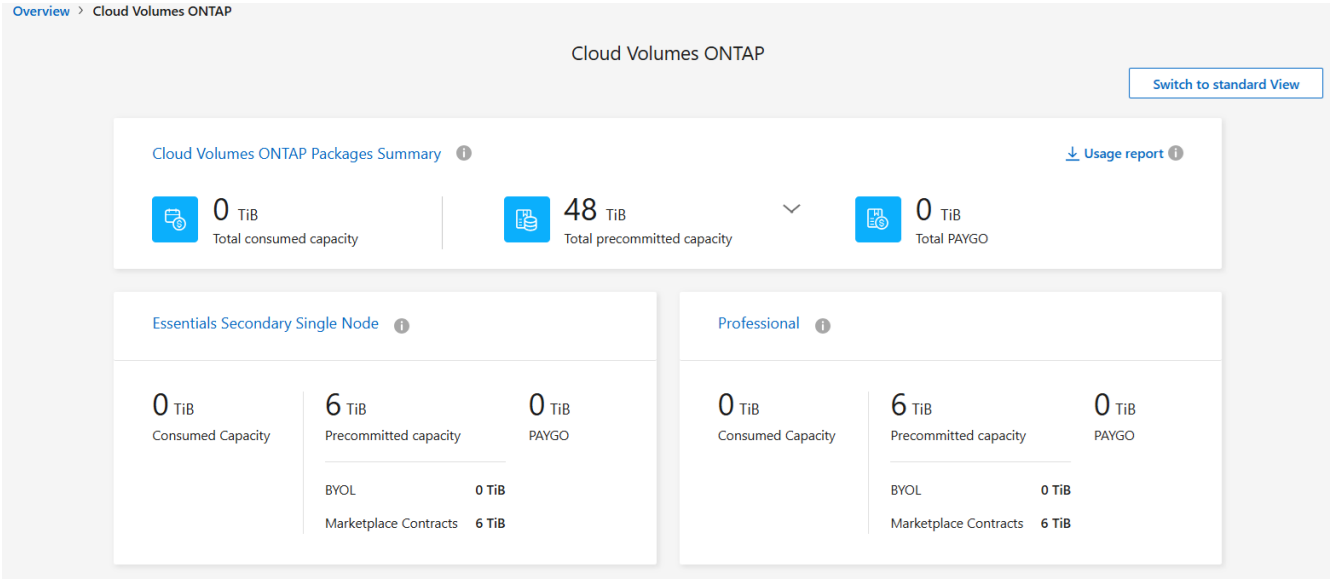
View package details

You can view details about the capacity used per package by switching to legacy mode on the Cloud Volumes ONTAP page.

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. On the **Overview** tab, the Cloud Volumes ONTAP tile displays the current capacity provisioned for your account.
3. Select **View** to see the provisioned capacity for each of your licensing packages.
4. Select **Switch to advanced view**.



5. View the details of the package you want to see.



Change charging methods

Capacity-based licensing is available in the form of a *package*. When you create a Cloud Volumes ONTAP system, you can choose from several licensing packages based on your business needs. If your needs change

after you create the system, you can change the package at any time. For example, you might change from the Essentials package to the Professional package.

Learn more about capacity-based licensing packages.

About this task

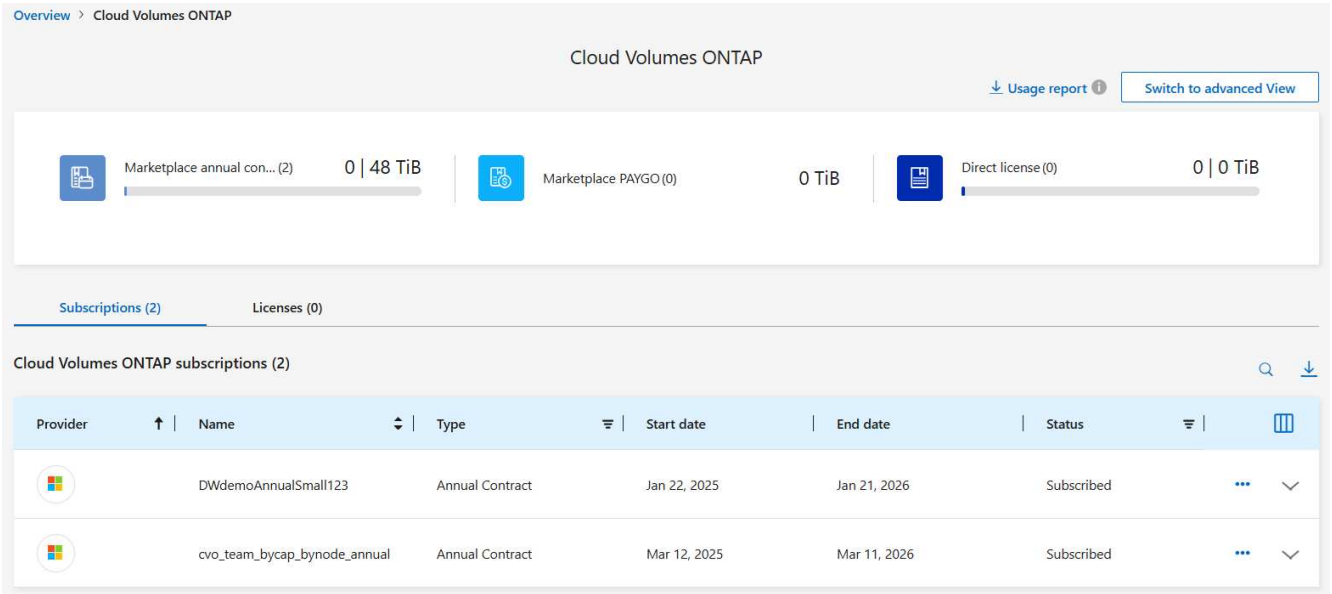
- Changing the charging method doesn't affect whether you're charged through a license purchased from NetApp (BYOL) or from your cloud provider's marketplace pay-as-you-go (PAYGO) subscription.

  The Console always attempts to charge against a license first. If a license isn't available, it charges against a marketplace subscription. You don't have to convert a BYOL subscription to marketplace subscription or vice versa.

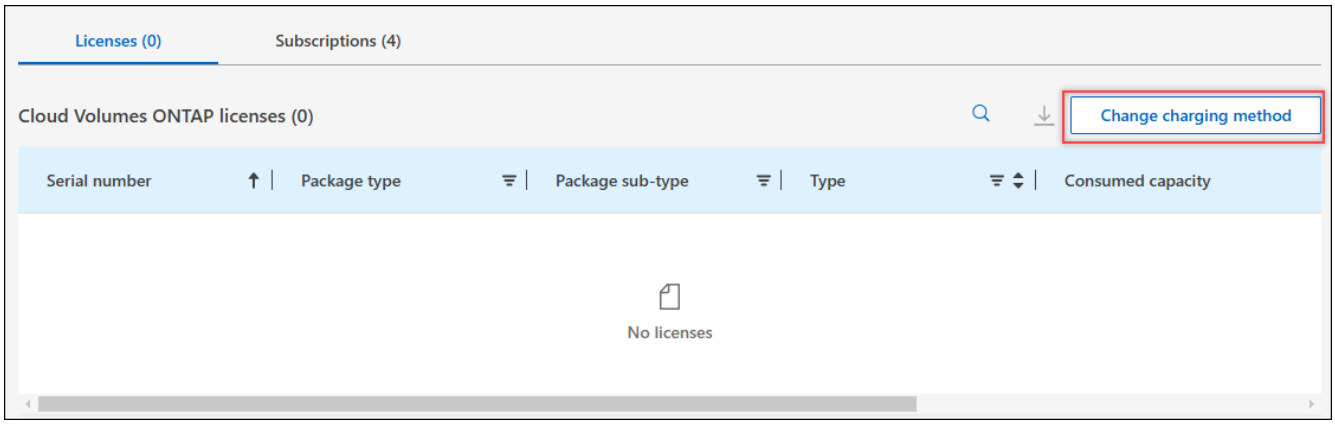
- If you have a private offer or contract from your cloud provider's marketplace, changing to a charging method that's not included in your contract will result in charging against BYOL (if you purchased a license from NetApp) or PAYGO.
- If you plan to bill Cloud Volumes ONTAP capacity through the standalone Cloud Volumes ONTAP subscription in AWS marketplace, the Cloud Volumes ONTAP system must use a supported capacity-based package (Essentials or Freemium). The Professional package is not supported for the standalone listing and continues to bill through the NIS subscription. After selecting the package you want, use **Billing preferences** in NetApp Console to choose the marketplace subscription used for Cloud Volumes ONTAP billing.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select **Switch to advanced view**.



5. Scroll down to the **Capacity-based license** table and select **Change charging method**.



6. On the **Change charging method** pop-up, select a Cloud Volumes ONTAP system, choose the new charging method, and then confirm your understanding that changing the package type will affect service charges.
7. Select **Change charging method**.

Download usage reports

You can download four usage reports from the Console. These usage reports provide capacity details of your subscriptions and tell you how you're being charged for the resources in your Cloud Volumes ONTAP subscriptions. The downloadable reports capture data at a point in time and can be easily shared with others.

The following reports are available for download. Capacity values shown are in TiB.

- **High-level usage**: This report summarizes the total capacity consumed across your account and breaks it down by billing method (pre-committed licenses versus pay-as-you-go). It includes the following information:

Column	Description
Total consumed capacity	The total provisioned capacity across all Cloud Volumes ONTAP systems in your account.
Total precommitted capacity	The total licensed capacity that you purchased from NetApp, including both BYOL licenses and Marketplace contracts. This value is the sum of Total BYOL capacity and Total Marketplace contracts capacity.
Total BYOL capacity	The portion of pre-committed capacity covered by bring your own license (BYOL) licenses that you purchased directly from NetApp.
Total Marketplace contracts capacity	The portion of pre-committed capacity covered by annual marketplace contracts or private offers purchased through your cloud provider's marketplace.

Column	Description
Total PAYGO capacity	The portion of consumed capacity that isn't covered by any pre-committed license and is billed at pay-as-you-go (PAYGO) hourly marketplace rates.

- **Cloud Volumes ONTAP package usage**: This report provides the same capacity breakdown as the High-level usage report, but organized per licensing package. It includes the following information:

Column	Description
Total consumed capacity	The total provisioned capacity for this package across all Cloud Volumes ONTAP systems in your account.
Total precommitted capacity	The total licensed capacity for this package that you purchased from NetApp, including both BYOL licenses and Marketplace contracts. This value is the sum of Total BYOL capacity and Total Marketplace contracts capacity.
Total BYOL capacity	The portion of pre-committed capacity for this package covered by bring your own license (BYOL) licenses that you purchased directly from NetApp.
Total Marketplace contracts capacity	The portion of pre-committed capacity for this package covered by annual marketplace contracts or private offers purchased through your cloud provider's marketplace.
Total PAYGO capacity	The portion of consumed capacity for this package that isn't covered by any pre-committed license and is billed at pay-as-you-go (PAYGO) hourly marketplace rates.

- **Storage VMs usage**: This report shows how charged capacity is broken down across Cloud Volumes ONTAP systems and storage virtual machines (SVMs). This information is only available in the report. It contains the following information:

Column	Description
System ID and name	The unique identifier (UUID) and display name of the Cloud Volumes ONTAP system.
Cloud	The cloud provider where the system is deployed (for example, AWS, Azure, or Google Cloud).
NetApp account ID	The identifier for the NetApp account associated with the system.
System configuration	The deployment configuration of the system (for example, single node or HA pair).
SVM name	The name of the storage virtual machine (SVM) within the Cloud Volumes ONTAP system.
Provisioned capacity	The total capacity provisioned on the SVM.
Charged capacity roundup	The capacity actually billed for the SVM. Each SVM has a minimum billable capacity (4 TiB by default, though this can vary by account). If the SVM's provisioned capacity is at or below that minimum, this value is rounded up to the minimum; otherwise it equals the provisioned capacity.

Column	Description
Marketplace billing term	The billing period for the associated marketplace subscription (for example, hourly or annual).
Cloud Volumes ONTAP package or feature	The licensing package or feature (for example, Essentials or Professional) associated with the SVM.
Charging SaaS Marketplace subscription name	The name of the marketplace subscription used for billing.
Charging SaaS Marketplace subscription ID	The unique identifier of the marketplace subscription used for billing.
Workload type	Indicates whether the SVM's volumes are **Primary** (read/write), actively used for production data, or **Secondary** (DP), data-protection destination volumes such as SnapMirror replicas used for backup and replication.

- **Volumes usage**: This report shows how charged capacity is broken down by volumes in a Cloud Volumes ONTAP system. This information is not available on any screen in the Console. It includes the following information:

Column	Description
System ID and name	The unique identifier (UUID) and display name of the Cloud Volumes ONTAP system that contains the volume.
SVM name	The name of the storage virtual machine (SVM) that contains the volume.
Volume ID	The unique identifier of the volume.
Volume type	The type of volume (for example, read-write or data protection).
Volume provisioned capacity	The total capacity provisioned for the volume.

FlexClone volumes aren't included in this report because these types of volumes don't incur charges.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. On the **Overview** tab, select **View** from the Cloud Volumes ONTAP tile.
3. Select **Usage report**.

   The usage report downloads.

4. Open the downloaded file to access the reports.

Manage BYOL licenses for Cloud Volumes ONTAP

Bring-Your-Own License (BYOL) is a charging model in Cloud Volumes ONTAP, in which you pay for capacity consumption through a license that you purchase directly from NetApp instead of through marketplace subscriptions. Manage your BYOL licenses in the

NetApp Console to ensure that your Cloud Volumes ONTAP systems have valid licenses with the required capacity. For more information, refer to Licensing for Cloud Volumes ONTAP.

NetApp recommends capacity-based licensing for all new deployments. If you have an existing license using the previous-generation node-based model, you must convert it to capacity-based licensing. For instructions, see Convert a Cloud Volumes ONTAP node-based license to a capacity-based license.

> PAYGO (pay-as-you-go) subscriptions from your cloud provider's marketplace aren't available for private-mode deployments. In private mode, NetApp provides BYOL licenses directly. Node-based licenses are available only for existing private-mode deployments and can't be newly deployed. NetApp has restricted the purchase, extension, and renewal of node-based licenses in private mode since June 25, 2025. If you have an existing node-based license, you must convert it to capacity-based licensing.

For new private-mode deployments, use capacity-based licensing instead. See Deploy Cloud Volumes ONTAP in private mode.

Manage PAYGO subscriptions

The Licenses and subscriptions menu enables you to view details about each of your PAYGO Cloud Volumes ONTAP systems, including the serial number and PAYGO subscription type. PAYGO subscriptions from your cloud provider's marketplace are available only for capacity-based licensing.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. In the **Subscriptions** tab, view details in the table about each of your PAYGO subscriptions.

Manage BYOL licenses

Manage licenses that you purchased directly from NetApp by adding and removing system licenses and extra capacity licenses.

> NetApp has restricted the purchase, extension, and renewal of BYOL licensing. For more information, refer to Restricted availability of BYOL licensing for Cloud Volumes ONTAP.

BYOL licensing for Cloud Volumes ONTAP now includes both node-based licenses and capacity-based licenses purchased directly from NetApp.

For **capacity-based BYOL licenses**, the license is associated with your Console account rather than a single Cloud Volumes ONTAP system. Each system receives its own serial number, but multiple systems under the same account draw from the same shared capacity pool and can share the underlying license.

For **node-based BYOL licenses**, this pooling doesn't apply. Each Cloud Volumes ONTAP system requires its own dedicated system license, and licenses aren't shared across systems. However, if you delete a system, you can transfer it to a new system. For more information, see Learn about Cloud Volumes ONTAP node-based BYOL.

Add unassigned licenses

Add a BYOL license to the Console so that you can select the license when you create a new Cloud Volumes ONTAP system. The Console identifies these licenses as *unassigned*.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select the **Licenses** tab.
5. Click **Unassigned**.
6. Click **Add Unassigned Licenses**.
7. Enter the serial number of the license or upload the license file.

   If you don't have the license file yet, refer to the section below.

8. Click **Add License**.

Result

The Console adds the license. The license will be identified as unassigned until you associate it with a new Cloud Volumes ONTAP system. After that happens, the license moves to the **BYOL** tab in **Licenses and subscriptions**.

Exchange an unassigned license

If you have an unassigned license for Cloud Volumes ONTAP that you haven't used, you can exchange it by converting it to a NetApp Backup and Recovery license, a NetApp Data Classification license, or a NetApp Cloud Tiering license.

Exchanging the license revokes the Cloud Volumes ONTAP license and creates a dollar-equivalent license for the service:

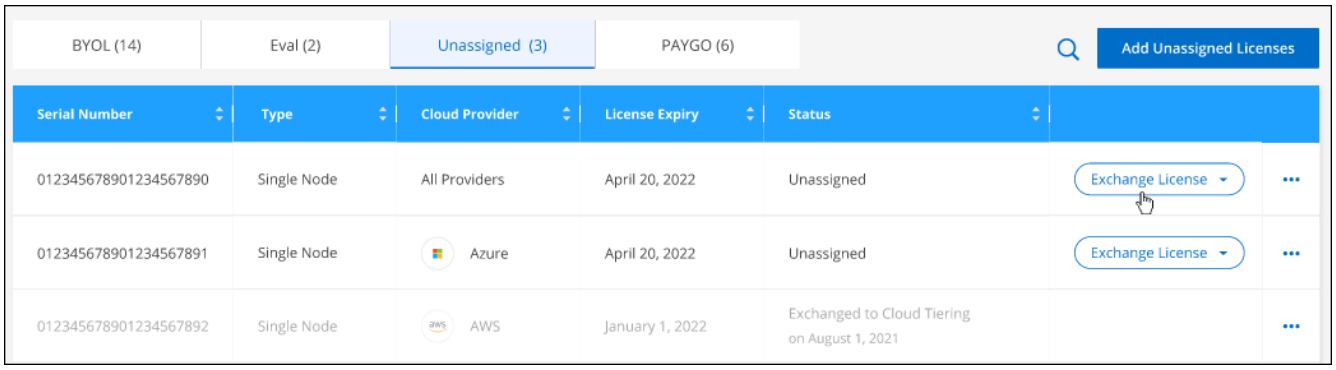
- Licensing for a Cloud Volumes ONTAP HA pair is converted to a 51 TiB direct license
- Licensing for a Cloud Volumes ONTAP single node is converted to a 32 TiB direct license

The converted license has the same expiration date as the Cloud Volumes ONTAP license.

View walkthrough of how to exchange unassigned licenses.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select the **Licenses** tab.
5. Click **Unassigned**.
6. Click **Exchange License**.



7. Select the service that you'd like to exchange the license with.
8. If you're prompted, select an additional license for the HA pair.
9. Read the legal consent and click **Agree**.

Result

The Console converts the unassigned license to the service that you selected. You can view the new license in the **Data Services Licenses** tab.

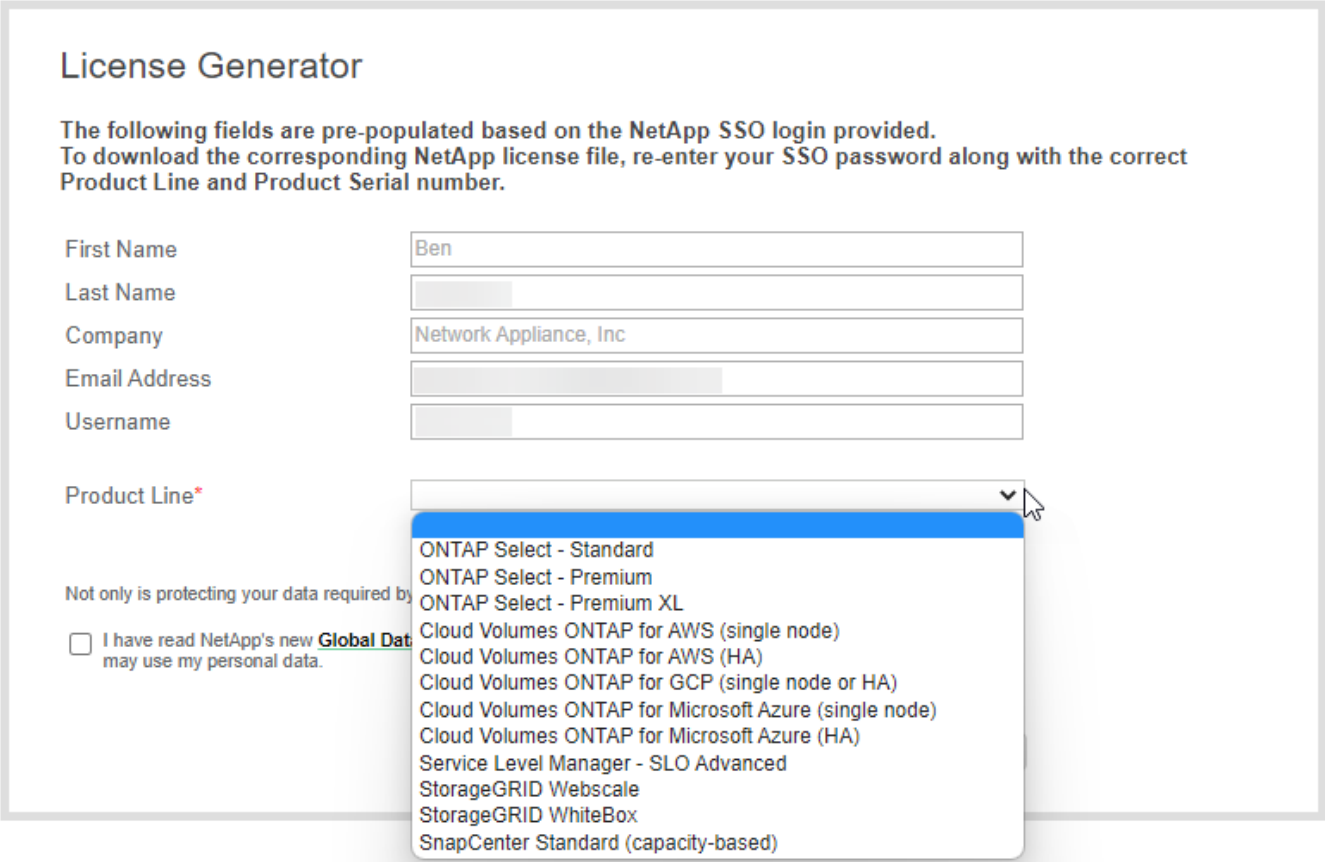
Obtain a system license file

In most cases, the Console can automatically obtain your license file using your NetApp Support Site account. But if it can't, then you'll need to manually upload the license file. If you don't have the license file, you can obtain it from netapp.com.

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, enter the serial number, confirm that you have read and accepted the privacy policy, and then click **Submit**.

   Example



3. Choose whether you want to receive the serialnumber.NLF JSON file through email or direct download.

Update a system license

When you renew a BYOL subscription by contacting a NetApp representative, the Console automatically obtains the new license from NetApp and installs it on the Cloud Volumes ONTAP system. If the Console can't access the license file over the secure internet connection, you can obtain the file yourself and then manually upload the file.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select the **Licenses** tab.
5. In the **BYOL** tab, expand the details for a Cloud Volumes ONTAP system.
6. Click the action menu next to the system license and select **Update License**.
7. Upload the license file (or files if you have an HA pair).
8. Click **Update License**.

Result

The Console updates the license on the Cloud Volumes ONTAP system.

Manage extra capacity licenses (node-based licenses only)

This procedure applies to node-based licenses only. Capacity-based licenses draw from a shared capacity pool and don't require separate extra capacity licenses.

You can purchase extra capacity licenses for a Cloud Volumes ONTAP node-based BYOL system to allocate more than the 368 TiB of capacity that's provided with a system license. For example, you might purchase one extra license to allocate up to 736 TiB of capacity to Cloud Volumes ONTAP. Or you could purchase three extra capacity licenses to get up to 1.4 PiB.

The number of licenses that you can purchase for a single-node system or HA pair is unlimited.

Add capacity licenses

Contact your NetApp representative to purchase an extra capacity license. After you purchase the license, you can apply it to a Cloud Volumes ONTAP system.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select the **Licenses** tab.
5. In the **BYOL** tab, expand the details for a Cloud Volumes ONTAP system.
6. Click **Add Capacity License**.
7. Enter the serial number or upload the license file (or files if you have an HA pair).
8. Click **Add Capacity License**.

Update capacity licenses

If you extended the term of an extra capacity license, you'll need to update the license in the Console.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.
2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select the **Licenses** tab.
5. In the **BYOL** tab, expand the details for a Cloud Volumes ONTAP system.
6. Click the action menu next to the capacity license and select **Update License**.
7. Upload the license file (or files if you have an HA pair).
8. Click **Update License**.

Remove capacity licenses

If an extra capacity license expired and is no longer in use, then you can remove it at any time.

Steps

1. From the left navigation pane, select **Administration > Licenses and subscriptions**.

2. Select the **Overview** tab.
3. On the Cloud Volumes ONTAP tile, select **View**.
4. Select the **Licenses** tab.
5. In the **BYOL** tab, expand the details for a Cloud Volumes ONTAP system.
6. Click the action menu next to the capacity license and select **Remove License**.
7. Click **Remove**.

Change between PAYGO and BYOL

This applies to standard-mode deployments only, since PAYGO isn't available in private mode.

Converting a system from PAYGO to BYOL licensing (and vice versa) isn't supported. If you want to switch between a PAYGO subscription and a BYOL subscription, then you need to deploy a new system and replicate data from the existing system to the new system.

Steps

1. Create a new Cloud Volumes ONTAP system.
2. Set up a one-time data replication between the systems for each volume that you need to replicate.

   Learn how to replicate data between systems

3. Terminate the Cloud Volumes ONTAP system that you no longer need by deleting the original system.

   Learn how to delete a Cloud Volumes ONTAP system.

Related links

- End of availability of node-based licenses
- Convert node-based licenses to capacity based

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