



# Lyve Client-software Gebruikershandleiding



**Hier klicken, um eine aktuelle Online-Version** dieses Dokuments aufzurufen. Auch finden Sie hier die aktuellsten Inhalte sowie erweiterbare Illustrationen, eine übersichtlichere Navigation sowie Suchfunktionen.

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# Aan de slag met de Lyve Client-software

## Welkom

Met Lyve Client kunt u Lyve Mobile-apparaten ontgrendelen en beheren die op uw hostcomputer zijn aangesloten.

**Uw apparaten beveiligen** - Met industriestandaard authenticatiesleutelbeheer kunt u uw Lyve Mobile-apparaten ontgrendelen voor gebruik met een aangesloten computer.

**Uw lokale gegevens in één oogopslag** - Bekijk de status van aangesloten Lyve Mobile-apparaten, beschikbare opslagcapaciteiten en huidige gegevensactiviteiten.

**Workflows voor gegevensbeheer** - Maak workflows om het kopiëren, verplaatsen en verwijderen van terabytes aan gegevens te automatiseren.

## Lyve Management Portal-inloggegevens

Om aan uw computer gekoppelde Lyve Mobile-apparaten te ontgrendelen en er toegang toe te krijgen, moet u een gebruikersnaam (e-mailadres) en wachtwoord invoeren in de Lyve Client-app. Uw e-mailadres en wachtwoord zijn op een van de volgende twee manieren geregistreerd bij Lyve Management Portal:

**Accountmanager** - U hebt een Lyve Management Portal-account aangemaakt op [lyve.seagate.com](https://lyve.seagate.com) en uw e-mailadres en wachtwoord ingesteld tijdens de registratie.

**Productbeheerder of productgebruiker** - U bent aangemerkt als productgebruiker voor een project dat in het Lyve Management Portal is aangemaakt. Er werd u een e-mail gestuurd door het Lyve-team met de uitnodiging om uw account te registreren.

Als u uw account nog niet hebt geregistreerd, moet u dit doen voordat u verbonden Lyve Mobile-apparaten probeert te ontgrendelen. Het instelproces stelt u in staat om:

- Een wachtwoord aan te maken om uw account te beheren en toegang te krijgen tot aangesloten Lyve Mobile-apparaten.
- Tweestapsverificatie in te stellen voor sterke beveiliging.
- Uw accountgegevens te registreren bij Lyve Management Portal.



Als u uw inloggegevens niet meer weet of als uw e-mailuitnodigingstermijn is verstreken voordat u uw account kon registreren, gaat u naar [lyve.seagate.com](https://lyve.seagate.com). Klik op **Aanmelden** en vervolgens op **Wachtwoord vergeten?**. Neem contact op met uw accountmanager als uw e-mail niet wordt herkend. Voor verdere ondersteuning kunt u contact opnemen met de klantenservice via de Lyve Virtual Assist Chat op [lyve.seagate.com](https://lyve.seagate.com).

# Lyve Client-software downloaden en installeren

Installeer de Lyve Client op de computer die u op uw Lyve Mobile-apparaat wilt aansluiten.

Links naar het installatieprogramma zijn te vinden op het Lyve Management Portal:

1. Log in op [lyve.seagate.com](https://lyve.seagate.com).
2. Klik op de startpagina op **Downloads**.
3. Klik bij de prompt op **Downloaden** voor Windows® of macOS®.
4. Ga naar de map waar uw downloads terechtkomen en open het installatieprogramma.
5. Volg de instructies op het scherm om de installatie te voltooien en Lyve Client te openen.

U kunt ook Lyve Client-installatieprogramma's downloaden van de ondersteuningspagina op [www.seagate.com/support/lyve-client](https://www.seagate.com/support/lyve-client)

## Hostcomputers autoriseren

Open de Lyve Client op een computer waarop u uw Lyve Mobile-apparaat wilt hosten.



Voor het autoriseren van een host-computer is een internetverbinding vereist.

1. Voer uw e-mailadres en wachtwoord voor het Lyve Management Portal in wanneer hiernaar wordt gevraagd.
2. De Lyve Client autoriseert de hostcomputer zodat Lyve-apparaten worden ontgrendeld en toegankelijk zijn, en u projecten kunt beheren op het Lyve Management Portal.



De hostcomputer blijft gedurende een bepaalde periode geautoriseerd. Tijdens deze periode heeft u toegang tot aangesloten apparaten en kunt u deze ontgrendelen, zelfs zonder internetverbinding. U moet Lyve Client regelmatig op de computer openen en uw inloggegevens opnieuw invoeren.

# Key Terms

## Host computer

A computer installed with Lyve Client used to access assigned Lyve Mobile devices.

## Lyve Client

An app used to unlock specific Lyve Mobile devices. Lyve Client can be used to access devices using Lyve Portal Identity and/or Lyve Token Security.

## Lyve Portal Identity

Security option that allows an end user to enter a username and password to authorize host computers to access connected Lyve Mobile devices. End users must have a Lyve user account. Internet connectivity is required during sign-in and when periodically reauthorizing a host computer. See [Accessing Devices with Lyve Portal Identity](#).

## Lyve Token file

An encrypted security token file authorizing a host computer to access specific Lyve Mobile devices.

## Lyve Token Security

Security option that allows for use cases in which there is limited access to the internet when using Lyve Mobile Arrays. End users are not required to have a Lyve user account. Instead, the end user creates a registration file for the computer in Lyve Client and then sends it to the project administrator. The project administrator uses that registration file to generate a Lyve Token file in Lyve Management Portal and then sends it to the end user. Internet connectivity is required to download the installer for Lyve Client, but is not required when accessing devices with Lyve Token files. See [Accessing Devices with Lyve Token Security](#).

## Product admin

Administrator in the account permitted to:

- Register host computers.
- Assign Lyve Mobile devices to host computers.
- Issue Lyve Token files.

# Product end user

End user accessing Lyve Mobile storage devices from a connected computer.

## Registration file

A JSON file certifying Lyve Client on a specific host computer.

- A product end user downloads a registration file from Lyve Client running on the host computer.
- The registration file is sent to a product admin, who uses it to produce a Lyve Token file.



**Registration files cannot be transferred between host computers or installations of Lyve Client.** If an end user uninstalls/reinstalls Lyve Client, they'll need to download new registration files to send to their product admin.

## Unlocker

In Lyve Management Portal, an unlocker has the correct security permissions to unlock one or more Lyve Mobile Arrays. For example, an instance of Lyve Client installed on a host PC. Multiple Lyve Mobile Arrays can be assigned to a single unlocker, or to multiple unlockers.



# Lyve Virtual Assistant

If you need to contact support, go to [lyve.seagate.com](https://lyve.seagate.com) and click on the Lyve Virtual Assistant icon to start a support session. Lyve Virtual Assistant is available throughout the Lyve Management Portal.



You must upload a registration file and enter a name before you can click Seagate Virtual Assistant is only available during regional business hours of 8:00 AM-5:00 PM US Central Time and 8:00 AM-5:00 PM Central European Time.

## Support

### Quick Links

- [Data Transfer as a Service FAQ](#)
- [How to Manage Lyve Users](#)
- [How to Create a Lyve Project as a Solution Provider/MSP\\*](#)
- [Return/ Cancel Shipping Instructions](#)

### User Manuals

- [Lyve Mobile Array](#)
- [Lyve Client Software](#)
- [Lyve Mobile Rackmount Receiver](#)
- [Lyve Drive Shuttle](#)

[Contact Support](#)



# Verbindingstypen

Lyve Client kan de beveiliging beheren voor Lyve Mobile Arrays die rechtstreeks op de host-pc of via het netwerk zijn aangesloten vanuit een Lyve Mobile Rackmount Receiver.

**i** Zorg ervoor dat de Lyve Mobile Array is ingeschakeld voordat u deze op een computer aansluit.

## Direct-Attached Storage (DAS)-aansluitingen

### USB en Thunderbolt

Lyve Mobile Array	Kabel	Computerpoort
Hostpoort (USB-C-connector)	Thunderbolt™ 3	Thunderbolt 3 / Thunderbolt 4
Hostpoort (USB-C-connector)	USB-C-naar-USB-C	USB 3.1 Gen 1 of hoger
Hostpoort (USB-C-connector)	USB-C-naar-USB-A	USB 3.0 of hoger

Meer informatie over verbindingen vindt u in:

- [Lyve Mobile Array: gebruikershandleiding](#)

### Lyve Mobile PCIe Adapter

Lyve Mobile PCIe Adapter	Kabel
Ethernet-poort (apparaatconfiguratie)	Ethernet
PCIe NVMe 12Gb x2 SFF-8644 (data)	SFF-8644

Meer informatie over verbindingen vindt u in:

- [Lyve Mobile Mount en PCIe Adapter: gebruikershandleiding](#)
- [Lyve Mobile Mount en PCIe-adapter - Front Loader: gebruikershandleiding](#)

## Rackmount Receiver-aansluitingen

Lyve Mobile Rackmount Receiver	Kabel
Ethernet-poort (apparaatconfiguratie)	Ethernet
FC 32Gb (gegevens)	Fibre
FC 16Gb (gegevens)	Fibre
iSCSI 25Gb (gegevens)	Fibre (optisch of koper)
iSCSI 10GbaseT (gegevens)	Ethernet
SAS 12Gb (gegevens)	SAS

Meer informatie over verbindingen vindt u in:

Lyve Mobile Rackmount Receiver: gebruikershandleiding
<a href="#">FC-netwerkinstallatie voor Windows</a>
<a href="#">FC-netwerkinstallatie voor Linux (RHEL/CentOS 8)</a>
<a href="#">FC-netwerkinstallatie voor Linux (Debian/Ubuntu)</a>
<a href="#">iSCSI-netwerkinstallatie voor Windows</a>
<a href="#">iSCSI-netwerkinstallatie voor Linux (RHEL/CentOS 8)</a>
<a href="#">iSCSI-netwerkinstallatie voor Linux (Ubuntu/Debian)</a>
<a href="#">SAS-netwerkinstallatie voor Windows</a>
<a href="#">SAS-netwerkinstallatie voor Linux (RHEL/CentOS)</a>
<a href="#">SAS-netwerkinstallatie voor Linux (Debian/Ubuntu)</a>

## IP-adressering voor netwerk- en DAS-verbindingen

Zorg ervoor dat uw antivirus-, firewall- of VPN-beveiligingsinstellingen poorttoegang tot Lyve Client toestaan.

Status	Type toegang	Poort
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Status	Type toegang	Poort
Vóór detectie van apparaat	De toepassing en het apparaat moeten via SLP kunnen communiceren.	UDP-poort 427
Na detectie van apparaat	De toepassing en het apparaat moeten via SSH kunnen communiceren.	TCP-poort 22

Bij beide statussen wordt ervan uitgegaan dat aan het apparaat een IP-adres is toegewezen door een lokale DHCP-server of dat er een statisch IP-adres aan is toegewezen.

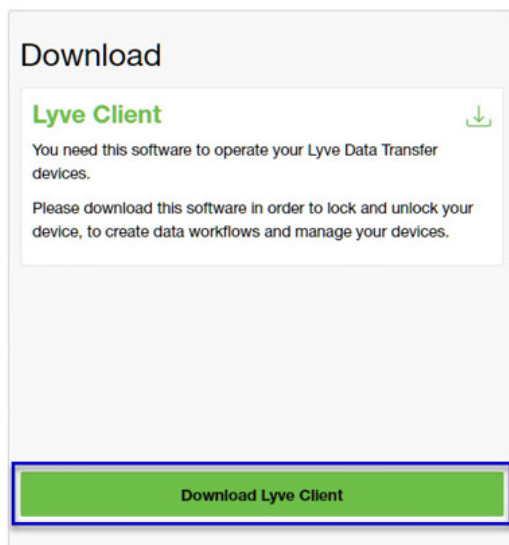
- Alle Lyve Mobile-apparaten bevinden zich standaard in de DHCP-modus. Als er geen IP-adres via DHCP is toegewezen, genereert het apparaat een eigen IP-adres: 169.254.100.123.
- Elke host in hetzelfde subnet kan het apparaat zien en ermee communiceren via dit adres.
  - In de DAS-modus via een Thunderbolt/USB-C-aansluiting is dit het adres dat wordt gebruikt om met het apparaat te communiceren.

# Download and Install Lyve Client

Install Lyve Client on computers you intend to connect to your Lyve Mobile devices or manage on the network. Lyve Client is available for Windows and macOS.

Links to the installer can be found on Lyve Management Portal:

1. Go to [lyve.seagate.com](https://lyve.seagate.com) and sign in.
2. On the Home page, click **Download Lyve Client**.



3. At the prompt, click **Download** for either Windows® or macOS®.



You can also download Lyve Client installers from the support page at [www.seagate.com/support/lyve-client](https://www.seagate.com/support/lyve-client)

4. Go the folder where you receive downloads and open the installer.
5. Follow the onscreen instructions to complete the setup and open Lyve Client.

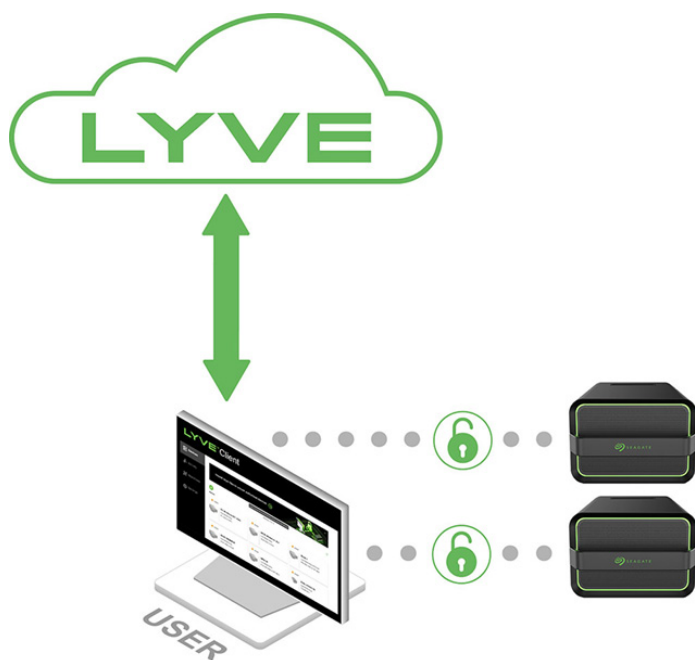
# Accessing Devices with Lyve Portal Identity

The Lyve Portal Identity security option lets you unlock connected Lyve devices by entering a username and password in Lyve Client.



An internet connection is required when signing in.

After you've signed in, Lyve Client is authorized to unlock and access assigned Lyve devices. Lyve Client remains authorized for up to 30 days of active use or 15 days of inactivity. Once the authorization period has elapsed, you must sign in again with your username and password to access connected devices.



## Requirements

- [Product admin](#) has [invited the product end user to be added to the account](#) in Lyve Management Portal.
- Product admin set up projects, [added devices to projects](#), and [assigned the product end user to the same projects](#).
- Devices have been delivered to the [product end user](#).
- End user has [downloaded and installed Lyve Client](#) on a computer they will use to unlock Lyve Mobile devices.



**Important**—Lyve Portal Identity must be enabled in the Lyve Client settings. See [Settings](#).



**Important**—If Lyve Client is used behind a proxy or firewall, ensure that the following domains are allow.

- <https://lmp-prod.us.auth0.com/>
- <https://rest.lyve.seagate.com/>
- <https://lyve.seagate.com/>

## Sign in using Lyve Client

You created a username and password in Lyve Management Portal in one of two ways, depending on your role in the account:

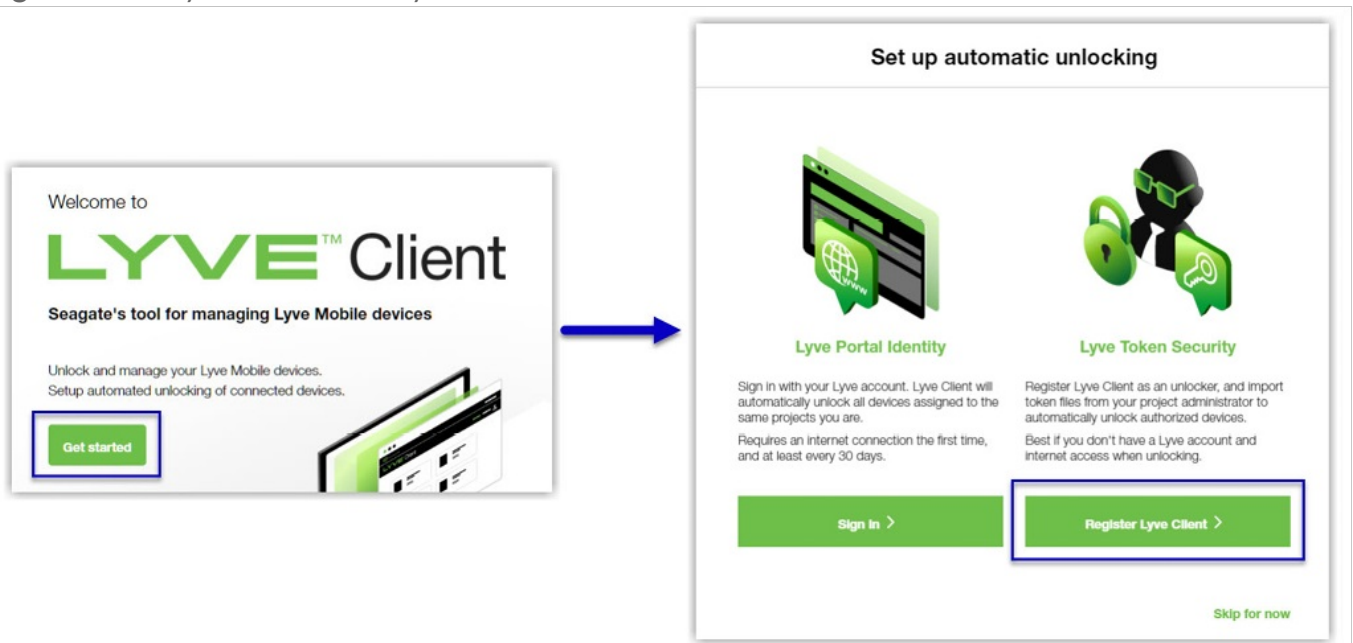
**Account creator**—You set up an email address, username, and password when you initially created the account.

**Other role**—A user manager added your email address to an account, org, or project in Lyve Management Portal. An email was sent to you from Lyve Management Portal inviting you to set up your username and password.



If you don't have a username and password, see [Users with no username/password below](#)

▣ If you're opening Lyve Client for the first time, click **Get Started** on the Welcome screen, and then click **Sign in** under Lyve Portal Identity:

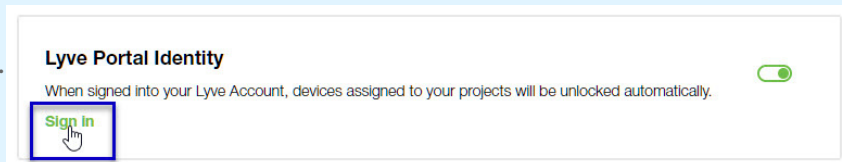


▣ If Lyve Client has been opened previously but no user is currently signed in, click on the user icon in the navigation bar:

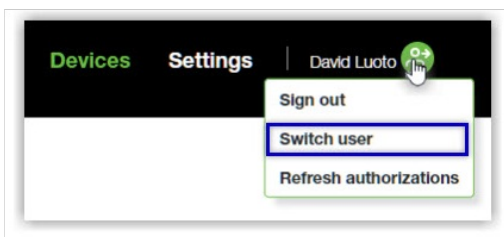


Alternatively, click **Settings** in the navigation bar and then click **Sign in** under Lyve Portal

Identity.



□ If another user is currently signed in and you want to switch users, click on the user icon in the navigation bar and select **Switch user**:



## Device locking

Lyve Client must be open and you must be signed in to access connected Lyve Mobile Arrays. A Lyve Mobile Array will lock when:

- The computer running Lyve Client goes to sleep.
- Lyve Mobile Array is ejected.
- Lyve Mobile Array is disconnected from the computer or network.
- Lyve Mobile Array is powered off.

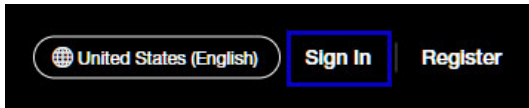
Use Lyve Client to unlock Lyve Mobile Array again once the computer has been awakened or the device has been reconnected and powered on.

## Forgotten username and/or password

If you can't remember your username or password:

1. Go to [lyve.seagate.com](https://lyve.seagate.com).
2. Click **Sign In** in the navigation bar:





3. In the Sign In dialog, click on the link for a forgotten username or password:



4. Follow the onscreen instructions for recovering your username or changing your password.

## Users with no username and password

You need a username and password to unlock connected Lyve Mobile devices. The setup process lets you:

- Create a username/password connected to your email address.
- Establish 2-step verification for strong security.

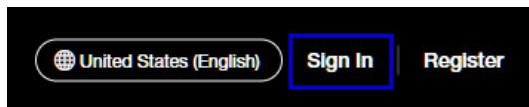
You might not have a username and password for one of the following reasons:

Issue	Resolution
A user manager in the account has not added you as a user.	Contact a user manager in the account and request to be added as a user.

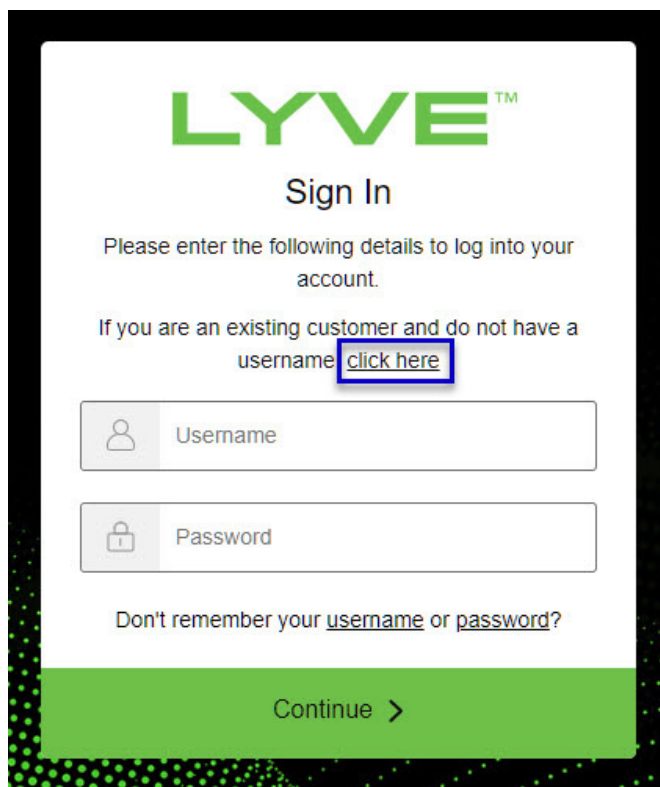
Issue	Resolution
Your email invitation is expired.	If the email invitation sent to you expired before you could register as a user, you can have Lyve Management Portal resend an invitation. See <a href="#">Resend an email invitation</a> below.

## Resend an email invitation

1. Go to [lyve.seagate.com](https://lyve.seagate.com).
2. Click **Sign In** in the navigation bar:



3. Click on the link for existing customers who do not have a username:

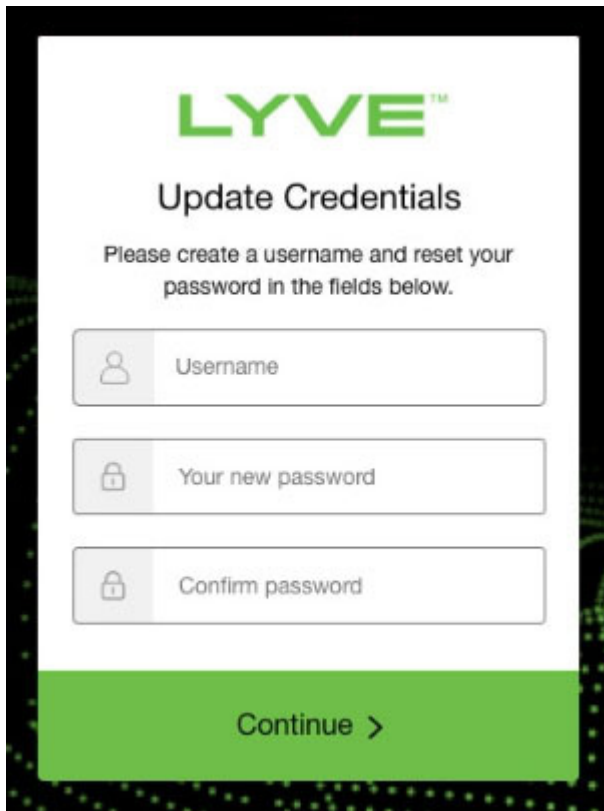


4. Enter your email address and click **Continue**. After a few minutes, Lyve Management Portal will send you a new email invitation. Check your inbox for the message.

**i** If you didn't see the email in your inbox after a few minutes, check your spam folder. If you can't find it there, click **Resend Email** in Lyve Client. If you need to contact support, use the [Lyve Virtual Assistant](#) icon to start a support session.

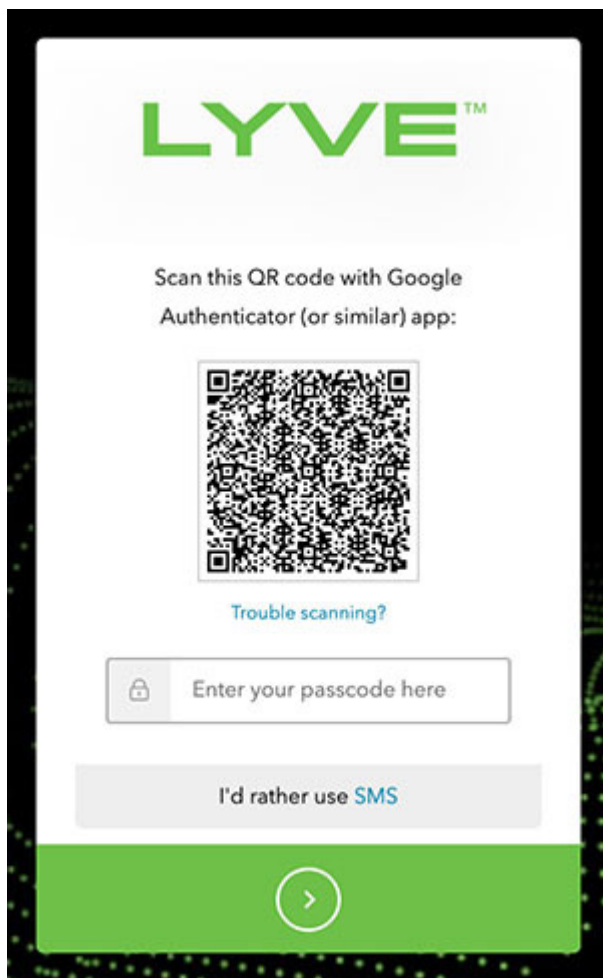
5. Open the email and click on the **Register Your Account** button.

6. Enter a username and password. Confirm the password, and then click **Continue**.



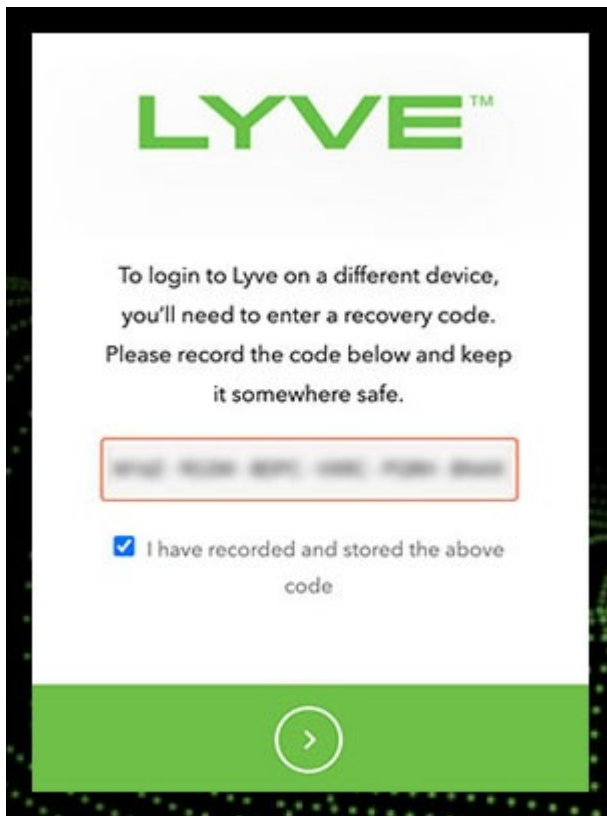
The screenshot shows a mobile application interface for updating credentials. At the top, the LYVE logo is displayed in green. Below the logo, the title 'Update Credentials' is centered. A message reads: 'Please create a username and reset your password in the fields below.' There are three input fields: the first is labeled 'Username' with a person icon; the second is labeled 'Your new password' with a lock icon; and the third is labeled 'Confirm password' with a lock icon. At the bottom of the form is a large green button with the text 'Continue >'.

7. Use an authenticator app such as Google Authenticator or Microsoft Authenticator to scan the QR code and receive a passcode. Enter your passcode and click the icon to continue.



**i** Alternatively, you can receive a passcode via SMS. Click the **SMS** option and enter your phone number to receive the 6-digit verification code. Note that carrier charges may apply. Enter the verification code sent to your phone and click the icon to continue.

8. You're asked to record a recovery code. A recovery code lets you log in to Lyve Management Portal from other devices. Copy the recovery code and keep it in a safe place. Once it's recorded, check the confirmation box and click the icon to continue.



## Refreshing authorizations

If the product end user's project/device assignments have been changed by a product admin in Lyve Management Portal, they can refresh their authorizations in Lyve Client.



An internet connection is required when refreshing authorizations.

- 
- 1. Open Lyve Client.
- 2. Click on the **Settings** tab.
- 3. Click **Refresh authorizations**.

### Lyve Portal Identity



When signed into your Lyve account, devices assigned to your projects will be unlocked automatically.

[Switch user](#) | [Refresh authorizations](#)

# Accessing Devices with Lyve Token Security

The Lyve Token Security option lets you configure a registered computer installed with Lyve Client to automatically unlock assigned Lyve Mobile devices. Once configured, Lyve Client will unlock devices, even when there's no access to Lyve Management Portal.

## Requirements

- [Product admin](#) has [set up projects](#) and [added devices to projects](#).
- Devices have been delivered to the [product end user](#).
- End user has [downloaded and installed Lyve Client](#) on the computer they will use to unlock Lyve Mobile devices.

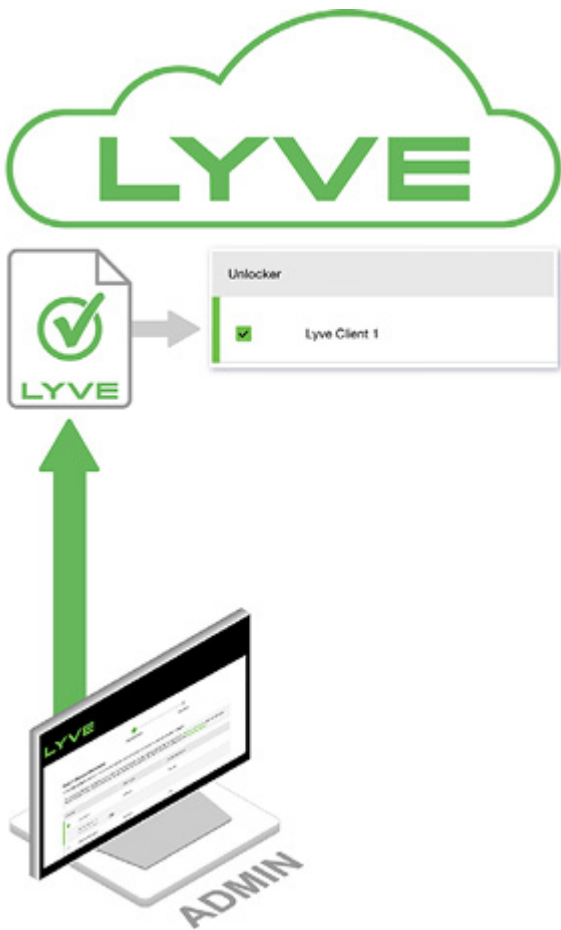
**i** **Important**—Lyve Token Security must be enabled in the Lyve Client settings. See [Settings](#).

## Process

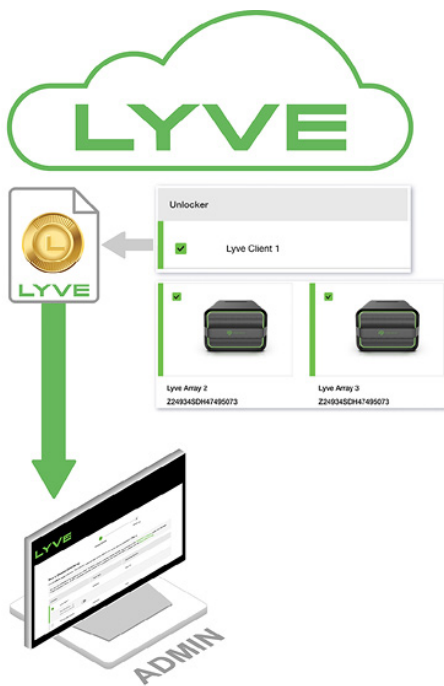
[Product end user](#) opens Lyve Client on [a host computer](#) and creates a [registration file](#). End user sends the registration file to a [product admin](#).



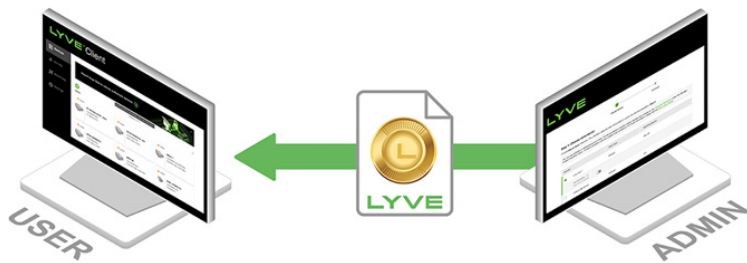
Admin uploads the registration file to the Lyve Management Portal and registers the Lyve Client installation as an [unlocker](#).



Admin assigns devices to the unlocker and downloads an encrypted [Lyve Token file](#) authorizing the unlocker to access Lyve Mobile devices.



Admin sends the token file to the user.



User imports the token file into Lyve Client. Lyve Client is now authorized to unlock assigned Lyve Mobile devices with no connection to Lyve Management Portal.



## End user initial tasks

### Create a registration file

You will need [registration file](#) for each host computer/Lyve Client installation used to access Lyve Mobile devices.


1. Open Lyve Client.

If you're opening Lyve Client for the first time, click **Get Started** on the Welcome screen, and then click **Register Lyve Client** under Lyve Token Security.

The image shows two screenshots of the Lyve Client interface. The left screenshot is the 'Welcome to LYVE™ Client' screen, which includes the text 'Seagate's tool for managing Lyve Mobile devices' and a 'Get started' button. A blue arrow points from this screen to the right screenshot. The right screenshot is titled 'Set up automatic unlocking' and features two options: 'Lyve Portal Identity' with a 'Sign in >' button, and 'Lyve Token Security' with a 'Register Lyve Client >' button. A 'Skip for now' link is located at the bottom right of the second screenshot.

If Lyve Client was opened previously, click on the **Devices** tab, and then click the banner:



Sign in or register to unlock your drives 



Alternatively, click on the Settings tab and then click **Register**

### Lyve Token Security

Unlock Lyve Mobile Arrays authorized by imported Lyve Token files. If the imported token file allows 'unattended mode', authorized devices will be unlocked automatically.



[Import token file](#)

[Register](#)

2. In the dialog, enter a filename and click **Save**.

## Register Software Client

1. Enter the name and click save
2. Send the JSON file in your downloads to the project administrator
3. They will send you a keys file. Import it to unlock authorized devices

Registration filename

Save

3. Confirm the location for the download and click **Save**. A JSON (.json) file is downloaded to the location you specified.

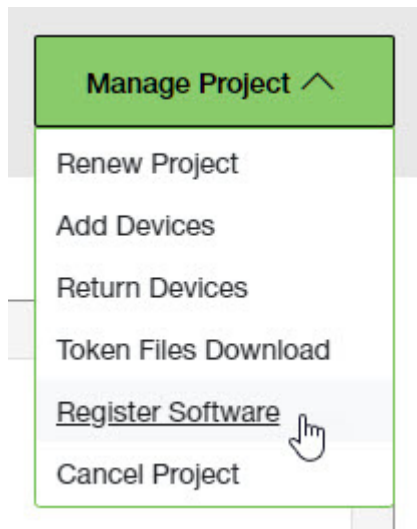
## Send the registration file to your product admin

Using a file browser such as File Explorer or Finder, locate the downloaded registration file. Share it with your [product admin](#) using your preferred means of business communication (such as email, chat, or sending on a USB drive).

## Admin tasks

# Register the Lyve Client installation as an unlocker

1. Go to [lyve.seagate.com](https://lyve.seagate.com) and sign in.
2. Click **Projects** in the navigation bar.
3. Click on a project.
4. On the Project Details page, click on the **Manage Project** dropdown and select **Register Software**.



5. In the Register Software Client dialog, click **Attach File**.
6. Navigate to the location where you are storing the [registration file](#) you received from a [product end user](#). Select the file and click **Attach File**.
7. Enter a name for the Lyve Client installation. Choose any friendly name that helps you differentiate one product end user/Lyve Client installation from another.
8. Click **Register**.
9. When the registration is completed, click **Close**.



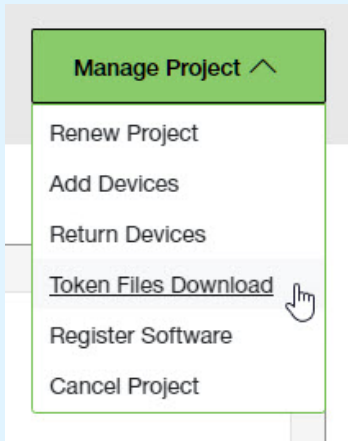
You must upload a registration file and enter a name before you can click **Register**.

## Choose unlockers and assign devices

1. In the confirmation dialog, click the **Token Files Download** link.



If you're no longer viewing the confirmation dialog, go to the Project Details page and select **Token Files Download** from the **Manage Projects** dropdown.



- Click checkboxes to select one or more unlockers. Selected unlockers will be permitted to unlock the devices you specify.

Unlocker	Client Type	Operating System
<input checked="" type="checkbox"/> LyveTokenDEMO	Software	Windows

Key File Detail: ⓘ  
Save File to Unlocker

- For each unlocker, use the **Save File to Unlocker** toggle to specify whether or not the product end user can store the unlocker in the Lyve Client app.
  - Enabled**—Lyve Token file can be imported and stored in Lyve Client, allowing the host computer to unlock assigned devices whenever they're connected.
  - Disabled**— Lyve Token file may only be used to unlock assigned drives for the current session. The file is not deleted from its location on the host computer, but it must be reselected each time the end user wants to use it.



- Click checkboxes to select one or more devices. Selected devices can be unlocked by any of the unlockers selected in step 1.



**Lyve Mobile Array (96TB HDD)**  
**NB26003C**

**i** If you don't know a device's serial number, you can find it by scanning the QR code on the left side of the Lyve Mobile Array handle.



Do not confuse the QR code on the handle with the QR code on the back of Lyve Mobile Array, which is clearly marked PSID. The PSID is not the same as the serial number.

If the serial number on the handle is unreadable or doesn't work, use the [Lyve Virtual Assistant](#) icon to start a support session.

5. Click **Continue**.

## Download Lyve Token files

**i** Note that in the following steps you'll need to provide your Lyve Management Portal password and multifactor authentication before your Lyve Token files will be downloaded.

1. Review the details of the [Lyve Token file](#) you created.
2. Click **Download**.

## Review Token File Details

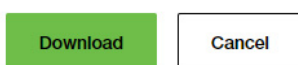
Unlocker	Saved to Unlocker
LyveTokenDEMO	

### Token File-assigned Devices



Lyve Mobile Array (96TB HDD)  
NB26003C

Please note that you will be asked to re-authenticate before you can download the token files.



3. At the prompt, enter your Lyve Management Portal password and click on the icon to continue.
4. A dialog informs you that the Lyve Token file has been downloaded. Click **Close**.
5. Using a file browser such as File Explorer or Finder, locate the file in the folder where you receive downloads.



The filename is a unique identifier followed by the date it was created. Once the file is downloaded, you can rename the file.

## Send the Lyve Token file to the product end user

Share the Lyve Token file you downloaded with the appropriate product end user using your preferred means of business communication (such as email, chat, or sending on a USB drive).

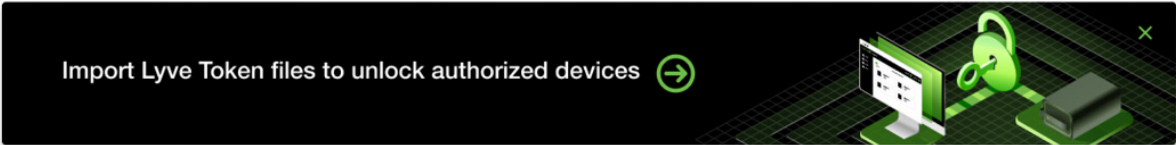
## End user final tasks

### Download the Lyve Token file

Download the [Lyve Token file](#) you received from your [product admin](#) to the appropriate host computer that will be accessing Lyve Mobile devices.

### Import Lyve Token file and/or unlock devices

1. On the host computer, open the Lyve Client app.
2. Click on the **Devices** tab and then click the banner.



**i** Alternatively, click on the Settings tab and then click Import token file:

**Lyve Token Security**

Unlock Lyve Mobile Arrays authorized by imported Lyve Token files. If the imported token file allows 'unattended mode', authorized devices will be unlocked automatically.

[Import token file](#) [Register](#)

3. Use the folder tree to find the location of the downloaded Lyve Token file (.json). Select the appropriate file and click **Inspect File**.
4. Review the details of the file:

**< Unlock devices** ✕

---

**i** Devices with the following serial numbers will be unlocked.

<b>Serial Numbers</b>	NB27107P	<b>Expires</b>	2023-08-21   11:31:57 AM
	NB33107C	<b>Allow Import</b>	Yes
	NB48100W		
	NB12000A		
	NB22207E		
	NB27107P		
	NB29107Y		

Import token
Use token file once

The following information is available:

Detail	Description
<b>Serial Numbers</b>	Specific devices the Lyve Token file is permitted to unlock.
<b>Expires</b>	Date/time when the Lyve Token file becomes invalid.

Detail	Description
Allow Import	<p><b>Yes</b>—Lyve Token file can be stored in the Lyve Client app.</p> <p><b>No</b>—Lyve Token file may only be used to temporarily unlock drives.</p>

**i** Check the serial numbers reported in Lyve Client correspond to the serial numbers of the Lyve Mobile Arrays you want to access. If you don't know a device's serial number, you can find it by scanning the QR code on the left side of the Lyve Mobile Array handle.



Do not confuse the QR code on the handle with the QR code on the back of Lyve Mobile Array, which is clearly marked PSID. The PSID is not the same as the serial number.

If the serial number on the handle is unreadable or doesn't work, use the [Lyve Virtual Assistant](#) icon to start a support session.

5. Click one of the following:

Import Lyve Token file	Imports the Lyve Token file to Lyve Client, allowing for automatic unlock of assigned devices. Once imported, the file is removed from its location and is no longer available for selection.
Use Lyve Token file once	Allows Lyve Client to unlock assigned devices for the current session. The file is not deleted from its location. You must reselect it each time you want to use it.

## Viewing Lyve Token files

You can view an image of the most recent Lyve Token file imported into Lyve Client.

1. Open Lyve Client.
2. Click on the **Settings** tab.
3. Click **View token file**.

**Lyve Token Security** 🔴

Unlock Lyve Mobile Arrays authorized by imported Lyve Token files. If the imported token file allows 'unattended mode', authorized devices will be unlocked automatically.

[Import token file](#) | [View token file](#) | [Authorized Devices \(4\)](#) | [Register](#)

4. Review details of the recently imported file:

**Unlock devices**

ⓘ Devices with the following serial numbers will be unlocked.

<b>Serial Numbers</b>	NB63365D	<b>Expires</b>	2022-05-25   11:31:57 AM
	NB78345C	<b>Imported</b>	2021-10-18   11:31:57 AM
	NB33023B	<b>Allow Import</b>	Yes
	NB26005A		

OK

5. Click **OK**.

## Viewing authorized devices

You can view an image of the most recent Lyve Token file imported into Lyve Client.

1. Open Lyve Client.
2. Click on the **Settings** tab.
3. Click **Authorized Devices**.

**Lyve Token Security** 🔴

Unlock Lyve Mobile Arrays authorized by imported Lyve Token files. If the imported token file allows 'unattended mode', authorized devices will be unlocked automatically.

[Import token file](#) | [View token file](#) | [Authorized Devices \(4\)](#) | [Register](#)

4. Review details of the devices Lyve Client is currently authorized to access:



**Authorized Lyve Mobile Arrays**

Serial number	Imported	Created	Expiration	Project administrator
NB63365D	2021-11-25	2021-11-25	2022-05-25	marcel.gotlib@acme-industries-inc.com
NB78345C	2021-11-05	2021-10-28	2022-04-28	kyle.broflowski@seagate.com
NB33023B	2021-10-18	2021-10-13	2022-04-13	stan.marsh@seagate.com
NB26005A	2021-10-18	2021-10-13	2022-04-13	eric.theodore.cartman@seagate.com

Close Delete all

5. Click **Close**.

## Deleting Lyve Token device authorizations

You can delete specific device authorizations from Lyve Client.

1. Open Lyve Client.
2. Click on the **Settings** tab.
3. Click **Authorized Devices**.

**Lyve Token Security** 🔴

Unlock Lyve Mobile Arrays authorized by imported Lyve Token files. If the imported token file allows 'unattended mode', authorized devices will be unlocked automatically.

[Import token file](#) | 
 [View token file](#) | 
 Authorized Devices (4) | 
 [Register](#)

4. Review the list of devices Lyve Client is currently authorized to access:

**Authorized Lyve Mobile Arrays**

Serial number	Imported	Created	Expiration	Project administrator
NB63365D	2021-11-25	2021-11-25	2022-05-25	marcel.gotlib@acme-industries-inc.com
NB78345C	2021-11-05	2021-10-28	2022-04-28	kyle.broflowski@seagate.com
NB33023B	2021-10-18	2021-10-13	2022-04-13	stan.marsh@seagate.com
NB26005A	2021-10-18	2021-10-13	2022-04-13	eric.theodore.cartman@seagate.com

Close Delete all

5. Hover over the device and click the Delete icon.

NB78345C	2021-11-05	2021-10-28	2022-04-28	kyle.brollowski@seagate.com	
NB33023B	2021-10-18	2021-10-13	2022-04-13	stan.marsh@seagate.com	
NB26005A	2021-10-18	2021-10-13	2022-04-13	eric.theodore.cartman@seagate.com	

Delete authorization to unlock this device

**i** Alternatively, if you want to delete all device authorizations, click **Delete all**.

6. Confirm that you want to continue with the deletion.
7. Delete additional devices, or click **Close**

## File issue notifications

Issues with a Lyve Token file may prompt the following messages:

Message	Notes
Devices with the following serial numbers were found in the token file, but failed to unlock: [serial numbers]	A device or configuration issue is preventing the device from being accessed. Contact Lyve Mobile support using the <a href="#">Lyve Virtual Assistant</a> .
The file you've selected is corrupt or is not a token file at all. It cannot be imported or used to unlock devices.	Lyve Client does not recognize the file as a Lyve Token file. Select a different Lyve Token file or request a new Lyve Token file from your product admin.
The selected Lyve Token file cannot be used with this installation of Lyve Client. Select a different token file or register Lyve Client and request a new token file from your project administrator.	This Lyve Client installation is not designated as the unlocker in this Lyve Token file. Select a different Lyve Token file or request a new Lyve Token file from your product admin.
The selected Lyve Token file does not authorize Lyve Client to unlock this device. Devices with the following serial numbers will be unlocked.	The Lyve Token file you attempted to import is not authorized to unlock the selected device. Select a different Lyve Token file or request a new Lyve Token file from your product admin that assigns the device to this installation of Lyve Client.
This token file has expired. Request a new token file from your project administrator.	The Lyve Token file has passed its expiration date. Request a new Lyve Token file from your product admin.

# Apparaten

Klik op het tabblad **Apparaten** om de apparaten te bekijken die aan Lyve Client zijn toegevoegd.

## Een aangesloten Lyve Mobile-apparaat identificeren met behulp van de led

Lyve Client kan een aangesloten Lyve Mobile-apparaat voor u identificeren door het tijdelijk zijn led te laten knipperen. Dit is handig als u een groot aantal aangesloten Lyve Mobile-apparaten hebt en u een bepaald apparaat moet identificeren.

1. Beweeg uw cursor over een Lyve Mobile-apparaatkaart en klik op het pictogram led identificeren.
2. Kijk naar de voorkant van uw apparaten om degene met de knipperende paarse led te vinden.
3. Klik een tweede keer op het pictogram led identificeren om de identificatie uit te schakelen.

## Een aangesloten Lyve Mobile-apparaat hernoemen

U kunt de naam van aangesloten Lyve Mobile-apparaten wijzigen.

1. Beweeg uw cursor over een Lyve Mobile-apparaatkaart en klik op het pictogram Bewerken.
2. Voer een nieuwe naam in voor het apparaat.
3. Klik op **Gereed**.

## Apparaatdetails bekijken

Om de details van een apparaat te bekijken, beweegt u uw cursor over een apparaatkaart en klikt u op het pictogram Inspecteren.



## De led-instellingen van een Lyve Mobile-apparaat wijzigen

U kunt de led van een Lyve Mobile-apparaat in- of uitschakelen en de led-kleurenlegenda van het apparaat weergeven. De legenda toont de definitie van elke led-kleur bij een specifieke toestand.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over de led-kaart en klik op het pictogram led bewerken.
3. Klik op de tuimelschakelaar om de led aan of uit te zetten.
4. Klik op **led-legenda tonen** om de legenda uit te breiden.

5. Klik op **Gereed**.

## Tags toevoegen aan een apparaat

U kunt metadatatags aan uw apparaat toevoegen om te helpen bij het zoeken en filteren van apparaten.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over de Tagskaart en klik op het pictogram Bewerken.
3. Voer een tag in het bewerkingsveld in en druk op **Enter**.
4. Ga door met het invoeren van tags in het bewerkingsveld en druk op **Enter** na elke invoer.
5. Als u klaar bent met het toevoegen van tags, klikt u op **Gereed**.

## Crypto-erasing van een Lyve Mobile-apparaat

Met crypto-erase verwijdert u veilig alle gegevens op het Lyve Mobile-apparaat, terwijl uw apparaatinstellingen en wachtwoord intact blijven.



Gegevens die tijdens crypto-erase zijn verwijderd, kunnen niet worden hersteld.

Om uw Lyve-apparaat veilig te wissen, krijgt u met Lyve Client toegang tot alle gegevens op de afzonderlijke schijven. Daarom moet de RAID opnieuw worden aangemaakt nadat de crypto-erase is voltooid. Het opnieuw aanmaken van de RAID vereist een initialisatie die meer dan 24 uur kan duren als het Lyve-apparaat niet in gebruik is. U kunt uw Lyve-apparaat tijdens de initialisatie gebruiken, maar de prestaties zullen afnemen tot de initialisatie voltooid is. Als u het apparaat tijdens een initialisatie gebruikt, zal het langer duren voordat de initialisatie is voltooid. Om vertragingen bij het voltooiën van de initialisatie te voorkomen, dient u ervoor te zorgen dat de hostcomputer niet in slaapstand gaat voordat de initialisatie is voltooid. Als de computer in slaapstand gaat, wordt de initialisatie gepauzeerd tot de computer weer wordt geactiveerd.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over de beveiligde kaart en klik op het pictogram Crypto-erase.
3. Klik op **Enter**.

## Lyve Mobile-schijfgegevens bekijken en dynamische reserveschijven inschakelen

U kunt schijfgegevens van Lyve Mobile-apparaten bekijken, zoals de status, de capaciteit en de RAID-array-instelling van elke schijf. U kunt ook toestaan dat schijven die niet aan een array zijn toegewezen, als reserve fungeren voor een schijfgroep op het apparaat.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over het pictogram Schijven en reserveschijven en klik op het pictogram Inspecteren.
3. (Optioneel) Klik op de tuimelschakelaar Dynamische reserveschijven inschakelen.

# Logbestanden downloaden voor Lyve Mobile-apparaten

Om te helpen bij het oplossen van problemen, kunt u logbestanden van het apparaat naar uw computer downloaden.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over de Apparaatkaart en klik op het pictogram Logboeken downloaden.
3. Selecteer een downloadlocatie op uw computer.
4. Klik op **Logboeken downloaden**.

## Apparaatvolumes bekijken met een schijfhulpprogramma

U kunt snel Schijfbeheer (Windows) of Schijfhulpprogramma (Mac) openen om de apparaatvolumes te bekijken.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over een rij in de lijst Apparaatvolumes en klik op het pictogram Hulpprogramma.

## Apparaatvolumes bekijken met een bestandsbrowser

U kunt snel Bestandsverkenner (Windows) of Finder (Mac) openen om de inhoud van uw volume te bekijken.

1. Ga naar een scherm met Apparaatdetails.
2. Beweeg uw cursor over een rij in de lijst Apparaatvolumes en klik op het pictogram Zoeken.

## Lyve Mobile-firmwaredetails bekijken

U kunt details over de firmware van uw Lyve Mobile-apparaat bekijken voor gebruik bij het oplossen van problemen.

1. Ga naar een scherm met Apparaatdetails.
2. Bekijk de firmwarekaart.

## View Lyve Mobile firmware details

You can view details about your Lyve Mobile device's firmware for use in troubleshooting.

1. Click on the **Devices** tab.
2. Click on the card for a connected device.
3. View the Firmware card.



# Configure Disk Group (RAID)

A disk group is a combination of two or more physical drives that are presented to the operating system as a single device. Drives are combined into different configurations known as 'RAID levels'. RAID stands for redundant array of independent disks. A RAID level categorizes how data is written to the drives in the array.

The RAID level you choose depends on which storage attributes are most important to you:

<b>Capacity</b>	The total amount of data you can store.
<b>Performance</b>	The speed at which data is copied
<b>Protection</b>	The number of disks that can fail before data is lost

Lyve Mobile Array can be configured as RAID 0 or RAID 5. Both RAID levels offer advantages and disadvantages, described below.

## RAID 0

In RAID 0, data is split into blocks that get written across all drives in the array.

### Advantages

- Data is not duplicated across drives. This results in faster transfers and more storage, since the full capacity of all drives can be used to store unique data.
- Initialization takes only minutes.

### Disadvantages

- RAID 0 lacks data protection. If a single drive fails, all data in the array is lost.

## RAID 5

In RAID 5, data is also split into blocks that get written across all hard drives in the array. In addition, a redundant parity block is written for each data block.

### Advantages

RAID 5's strong advantage over RAID 0 is data protection. If one physical drive fails, you still have access

to all your data.



In the event a drive fails, you should immediately copy all your data to another storage device and contact customer support.

## Disadvantages

- RAID 5 offers read performance that can approach RAID 0. However, write performance is slower because the parity data must also be calculated.
- You still have much of the storage capacity of a RAID 0 array, based on the total available hard drives and storage capacities. However, overall storage capacity is reduced slightly. The equation for determining the storage is:

(The size of the drive with the smallest capacity in the array) \* (Total hard drives minus 1)

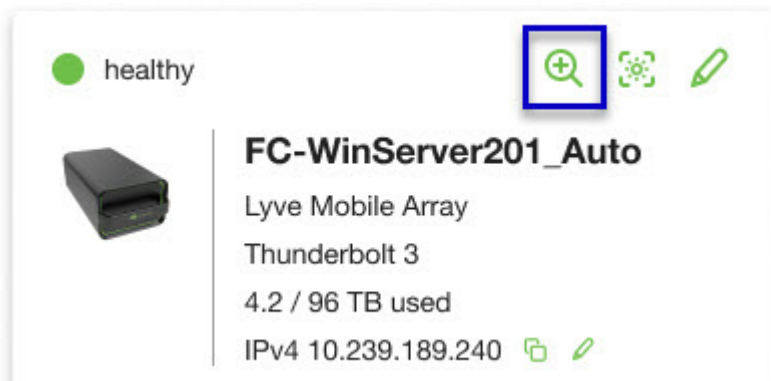
Example: An array is assigned six 10TB hard drives for a total of 60TB. The equation is:

$$10\text{TB} * 5 = 50\text{TB}$$

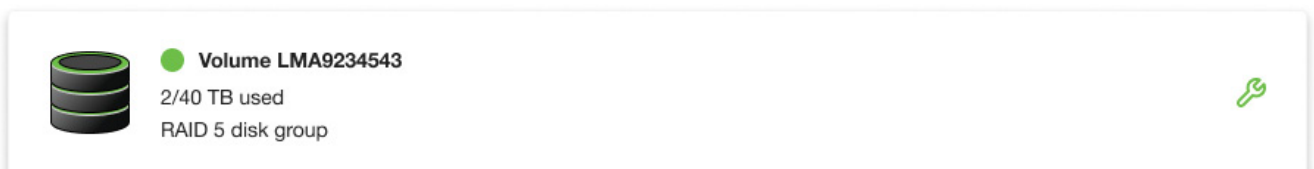
- Initialization may take up to 32 hours for an HDD device.

## Change RAID configuration

1. Click on the **Devices** tab.
2. Hover your cursor over a device card and click on the Inspect icon.



3. If the device is currently configured with a disk group (RAID array), click on the Wrench icon on the disk group volume card:







If the device is not currently configured with a disk group, scroll down and click **Create disk group**.

**Create disk group** | 6 drives unassigned

4. Select a RAID configuration: **RAID 5** or **RAID 0**. Click **Next**.

### Select RAID configuration



**RAID 5** 84TB capacity, Recommended for data protection

Data is written in blocks across all drives, with some storage used to provide redundancy that protects your data. If one drive fails, redundant data blocks can be used to rebuild the data on a spare drive. RAID 5 read performance approaches RAID 0, but write performance is slower because redundant blocks must also be written.

Initialization may take up to 32 hours.

**RAID 0** 96TB capacity, Not recommended for business critical data

Data is not duplicated across drives. This results in faster transfers and more storage, since the full capacity of all drives can be used to store unique data. However, all data is lost if a single drive fails.

Initialization takes only minutes.

**Next**

5. Select a volume configuration.

### Select Volume configuration



#### Volume label

LMA9234543|

Maximum 11 characters

#### Volume format

Choose format

#### Initialization Required


Initialization will take approximately 32 hours, longer if the the device is in use, and will not run while the computer sleeps.


During this time, device performance will be degraded.

**Confirm**

- Enter a volume label.
- Select a volume format:
  - Lyve Client for windows: **NTFS** or **exFAT**
  - Lyve Client for windows: **HFS+** or **exFAT**
- Click **Confirm**.

The volume is displayed on the Device Details page with an amber status icon while the disks are being initialized.



 **Volume LMA9234543**  
2/40 TB used  
RAID 5 disk group

# Cryptographic Erase

A cryptographic erase securely deletes all data on the Lyve Mobile device while keeping your device settings intact.

**!** Data deleted during a cryptographic erase cannot be recovered.

To securely erase your Lyve Mobile device, Lyve Client accesses all data on individual drives. The RAID must be recreated after the crypto-erase is complete.

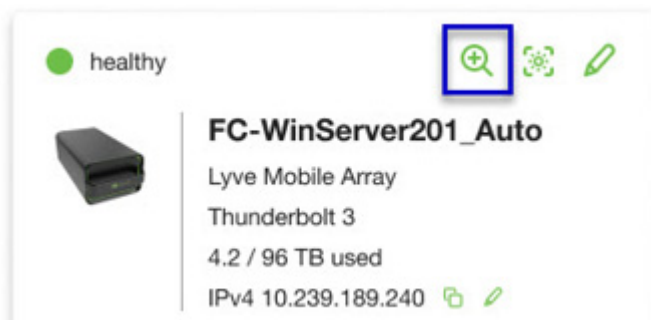
**!** Recreating the RAID requires an initialization that can take over 24 hours if the Lyve device is not in use.

Recreating the RAID requires an initialization that can take over 24 hours if the device is not in use. You can use your device during the initialization but performance will be degraded until it is complete.

**i** Using the device during an initialization will increase the time for it to complete. To avoid delays in completing the initialization, make certain that the host computer does not go to sleep until it is complete. If the computer goes to sleep, the initialization will be paused until it wakes up.

## Initiating the erasure

1. Click on the **Devices** tab.
2. Hover your cursor over a device card and click on the Inspect icon.



3. On the Cryptographic Erase card, click on the Erase icon.

### Cryptographic Erase

You can crypto-erase or disable password protection.



Data deleted during a cryptographic erase cannot be recovered.

4. Click **Confirm** to confirm the cryptographic erase.
5. Click **Erase all data** to proceed with the operation.
6. When the process has completed, click **Certify** to view a certificate with the details of the erasure.



# Instellingen

Klik op het tabblad **Instellingen** om de toepassings- en update-instellingen te regelen:

**Lyve Client starten bij opstarten** - Vink aan of u wilt dat Lyve Client automatisch wordt geopend wanneer u uw computer opstart.

**Lyve Client automatisch bijwerken** - Vink aan of u wilt dat Lyve Client automatisch op nieuwe updates controleert wanneer deze met het internet is verbonden.

# Netwerkvereisten

Zorg ervoor dat uw antivirus-, firewall- of VPN-beveiligingsinstellingen poorttoegang tot Lyve Client toestaan.

Status	Type toegang	Poort
Vóór apparaatdetectie	De toepassing en het apparaat moeten via SLP kunnen communiceren.	UDP-poort 427
Na apparaatdetectie	De toepassing en het apparaat moeten via SSH kunnen communiceren.	TCP-poort 22

Voor beide statussen wordt verondersteld dat een IP-adres is toegewezen aan het apparaat door een lokale DHCP-server of dat het een statisch IP-adres heeft gekregen.

- Alle Lyve Mobile-toestellen staan standaard in DHCP-modus. Als via DHCP geen IP-adres wordt toegewezen, genereert het apparaat zijn eigen IP-adres.
- Elke host in hetzelfde subnet kan het apparaat zien en ermee communiceren via dit adres.
  - In de DAS-modus via een Thunderbolt-/USB-C-verbinding is dit het adres dat wordt gebruikt om met het apparaat te communiceren.

# Dashboard

Gebruik het Dashboard om meldingen te bekijken met betrekking tot Lyve Mobile-apparaten die zijn aangesloten op de hostcomputer. Dashboardinformatie omvat:

- Apparaatverbindingstypes.
- Schijfcapaciteiten en -statussen.
- Importactiviteiten en -voortgang.
- Datums en tijdstempels van evenementen.

## Apparaten bekijken op het Dashboard

Lyve Client voegt automatisch apparaten toe voor opname in Lyve Client-workflows en apparaatbeheer. Om de details van een apparaat te bekijken, beweegt u uw cursor over een apparaatkaart en klikt u op het pictogram Inspecteren.



Dit is een snelkoppeling om op het tabblad **Apparaten** te klikken en [de details van het apparaat te bekijken](#).

## Een workflow creëren

Een **workflow** is een reeks regels waarmee u de import van bestanden van het ene apparaat naar het andere kunt automatiseren. De workflow kan **handmatig of automatisch worden opgeroepen** om een **gegevensactiviteit te starten** zoals het verplaatsen, kopiëren en verwijderen van bestanden. Om een workflow aan te maken, klikt u op het pictogram Doorgaan boven in het Dashboard.



### Workflows

Automate data transfer from your edge devices

Create a workflow 



Dit is een snelkoppeling naar het tabblad **Workflows** en [het aanmaken van een nieuwe workflow](#).



# Activiteiten bekijken op het Dashboard

Om de details van workflowactiviteiten te bekijken, beweegt u uw cursor over een activiteitenkaart en klikt u op het pictogram Inspecteren.

## Dashboardmeldingen

### Standaard

Activiteit	Melding
Verbinding verbroken	[apparaat] verbinding verbroken
Kopiëren - bezig, voltooid	Kopiëren van [bronvolume] naar [doelvolume]
Verwijderen - bezig, voltooid	Bestanden verwijderen van [bronvolume]
Apparaat toegevoegd	[apparaat] werd toegevoegd
Apparaat aangesloten	[apparaat] aangesloten
Apparaat losgekoppeld	[apparaat] losgekoppeld
Apparaat vergrendeld	[apparaat] vergrendeld
Apparaat ontgrendeld	[apparaat] ontgrendeld
Taggen - bezig, voltooid	Bestanden taggen van [bronvolume]

### RAID

Activiteit	Melding
Initialisatie	RAID-initialisatie, [apparaat]
Onderhoud	RAID-onderhoud, [apparaat]
Opnieuw samenstellen	RAID opnieuw samenstellen, [apparaat]
Waarschuwing	Array mislukt, [apparaat]

### Workflows

Activiteit	Melding
Workflowacties voltooid	[naam van de workflow] acties voltooid
Workflow aangemaakt	[naam van de workflow] werd aangemaakt

Workflow verwijderd	[naam van de workflow] werd verwijderd
Workflow bewerkt	[naam van de workflow] werd bewerkt
Workflow in uitvoering	[naam van de workflow] onderweg
Workflow ingeschakeld	[naam van de workflow] werd ingeschakeld
Workflow uitgeschakeld	[naam van de workflow] werd uitgeschakeld

## Workflow-triggers

Activiteit	Melding
Workflow-trigger - automatisch	[naam van de workflow]-trigger ingesteld op automatisch
Workflow-trigger - handmatig	[naam van de workflow]-trigger ingesteld op handmatig
Workflow-trigger - prompt	[naam van de workflow]-trigger ingesteld op prompt
Workflow-trigger - gepland	[naam van de workflow]-trigger ingesteld op gepland



