

# Getting Started

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# Plan your event before booking

Use this article to review event options and make sure you have everything you need before creating the event.

## Scheduling basics

Before you create your event, have this basic information ready:

- Your login. This automatically links your event to your name and company.
- Schedule. This is the date and time of your event and how long the event will last.
- Attendees. The number of attendees that will be joining the event.
- Presenters. The people who will present during the event. If you request event management services, you also need to specify which presenter goes first so the event producer.
- Event type. Will you broadcast Live or pre-record the event and make it available On-Demand or broadcast it at a scheduled date and time (Simulated Live)?
- Will presenters broadcast over the phone or on-camera? You can broadcast an audio-only (telephone or VoIP) or video event (webcam, encoder, video bridge).

## About your event

Think about your audience, what you'll be presenting, and which features you want to use:

- Headshots. Display presenter headshots during an audio-only event.
- Slides. Add one or more PowerPoint slide decks. [more »](#)
- Pre-recorded videos. Add video clips and play them in an overlay window or in the video player. [more »](#)
- Screen share. Share your screen, an application window, or a browser tab.
- Surveys. Add in-event or post-event surveys for attendees to complete. [more »](#)

- Certification exams. Add graded surveys to the event and automatically send PDF certificates by email to attendees who pass the exam. [more »](#)
- Chat. Chat with your audience or presenters only.
- Downloadable resources. Allow viewers to download event-related files or access links from the webcast player.
- Captions. Add your own captions to a recorded event. [more »](#)
- Generated transcript. Automatically generate an event transcript once the event ends and make it available to the audience for download or as captions.

## Personalize your event

How do you want to customize your event? You can change the:

- Registration form. Add and sort the information you want to capture from attendees. [more »](#)
- Registration page and webcast player. Change the logos, colors, and page layouts. [more »](#)
- Portal. Add multiple events to a single registration page. [more »](#)
- Social media tools. Add social media links to let attendees share the event and Youtube videos to the registration page and add a Twitter feed to the webcast player.
- Event emails. Customize the content in event confirmation, reminder, and follow-up emails.

## Professional services and add-ons

Will you need additional professional services or event add-ons? You can request:

- Additional participants. Increase the capacity of the event.
- Audience listen by phone. Let attendees dial in to listen to the event on their phone.

- Event management. Have an event production manager book your event and provide training, best practices, and in-event assistance. [more »](#)
- Transcription and transcription translation. Receive a professionally written copy of the event in multiple languages.
- Live captions. Have a professional provide real-time captions during your Live event. [more »](#)
- Presenter training. Provide additional training for new presenters.

For more information about how to book professional services, see [Get assistance setting up and running your event](#).

# System Requirements

## System Requirements

# System requirements for High Definition (HD) broadcasts

For video events with the 720p or 1080p high-resolution player size. Not available for telephone broadcasts.

This article covers additional requirements to broadcast video in 720p or 1080p. For requirements specific to your broadcast type, see system requirements articles for:

- [Single webcam broadcasts](#)
- [Video bridge broadcasts](#)
- [Encoder broadcasts](#)
- [VCU/telepresence broadcasts](#)

**Note:** 720p and 1080p encoder broadcasts require HD encoding software (for example, Wirecast, OBS, or vMix) to be installed on the encoder.

## Live Studio Requirements

If you're joining the Live Studio as a moderator or presenter, your system must meet the following requirements.

| What you need | Moderators and Presenters                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware      | <ul style="list-style-type: none"><li>• PC or Mac</li><li>• Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support.</li><li>• A high definition webcam (720p or better) is required to stream in HD (single webcam and video bridge).</li><li>• Headset or webcam mic with built-in noise cancellation. Do not use your computer or webcam's built-in microphone.</li></ul> |

| What you need    | Moderators and Presenters                                                                                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software         | For encoder broadcasts only: HD encoding software (for example, Wirecast, OBS, or vMix)                                                                                                                                                                                   |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul>                                                                                                                       |
| Processor (CPU)  | Intel Core i5 3.0GHz or better<br><b>Note:</b> Less powerful processors will degrade audio and video performance.                                                                                                                                                         |
| Memory (RAM)     | 4 GB                                                                                                                                                                                                                                                                      |
| Browser          | Current or previous 5 versions of: <ul style="list-style-type: none"><li>• Google Chrome</li><li>• Firefox</li><li>• Microsoft Edge</li><li>• Safari (Mac devices only)</li></ul> <b>Note:</b> Firefox and Safari do not support screen sharing for 720p or 1080p events. |

| What you need  | Moderators and Presenters                                                                                                                                                                                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internet Speed | <p>A dedicated and wired high-speed internet connection of 4 Mbps or better (upload and download)</p> <p><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your video connection.</p> |

## System Requirements

# System requirements for attendees

You can attend an event on a desktop computer or mobile device - just open the event URL in a supported browser. This article details the system requirements for attending an event.

**Note:** If you enter the event link in a browser window and the event doesn't open, access might be blocked by a firewall or your company network security rules. Review our [network requirements](#) and make sure the ports and IP ranges in the Webcast Audience Members column are permitted. If you're unsure of your settings, contact your IT Administrator.

## Desktop System Requirements

| What you need    | Requirements                                                                                                                                        |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware         | PC or Mac<br><br><b>Note:</b> Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support. |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul> |
| Processor (CPU)  | Intel Core i5 2.0GHz or better<br><br><b>Note:</b> Less powerful processors will degrade audio and video performance.                               |
| Memory (RAM)     | 4 GB                                                                                                                                                |

| What you need  | Requirements                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Browser        | <p>Current or previous 5 versions of:</p> <ul style="list-style-type: none"> <li>• Google Chrome</li> <li>• Firefox</li> <li>• Microsoft Edge</li> <li>• Safari (Mac devices only)</li> </ul>                                                                                                                                                                                                                         |
| Internet Speed | <p>A dedicated and wired high-speed internet connection of 1 Mbps or better (upload and download). 2 Mbps or better is recommended to view the event at the highest quality.</p> <p><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your event experience.</p> |

## Mobile System Requirements

| What you need    | Requirements                                                                                                |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Hardware         | <ul style="list-style-type: none"> <li>• Android phone or tablet</li> <li>• Apple iPhone or iPad</li> </ul> |
| Operating System | <ul style="list-style-type: none"> <li>• Android 5.1 or newer</li> <li>• Apple iOS 12 or newer</li> </ul>   |

| What you need  | Requirements                                                                                                                                                                                                                                                                                      |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Browser        | Current or previous 5 versions of: <ul style="list-style-type: none"><li data-bbox="497 286 751 320">• Google Chrome</li><li data-bbox="497 376 627 409">• Firefox</li><li data-bbox="497 465 740 499">• Microsoft Edge</li><li data-bbox="497 555 890 589">• Safari (Mac devices only)</li></ul> |
| Internet Speed | A dedicated high-speed internet connection of 1,000 Kbps (1 Mbps) or better (upload and download) or a 4G connection or better.<br><b>Note:</b> To ensure a stable connection, disconnect from the VPN.                                                                                           |

## System Test

Check your system before the event. The diagnostic test checks your computer and network connections to help you troubleshoot problems before the event begins and if you're having issues during the event.

[Run the system test »](#)

## System Requirements

# System requirements for encoder broadcasts

For events with **Your Encoder** as the live acquisition source. This article details the system requirements for broadcasting a Live event or recording a Simulated Live event with an encoder.

To join the Live Studio and moderate or present, your system must meet the following minimum system and hardware requirements. Please test your bandwidth on the same network as your broadcast using <https://speedtest.net> or similar site. You will also need 1.5x the total bitrate in upload bandwidth speed.

[image-1674504968818.png](#)

Image not found or type unknown

## Live Studio Requirements

If you're joining the Live Studio as a moderator or presenter, your system must meet the following requirements.

| What you need    | Moderators and Presenters                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware         | PC or Mac<br><br><b>Note:</b> Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support. |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul> |

| What you need   | Moderators and Presenters                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor (CPU) | Intel Core i5 3.0GHz or better<br><br><b>Note:</b> Less powerful processors will degrade audio and video performance.                                                                                                                                                                                                                                                |
| Memory (RAM)    | 4 GB                                                                                                                                                                                                                                                                                                                                                                 |
| Browser         | Current or previous 5 versions of: <ul style="list-style-type: none"> <li>• Google Chrome</li> <li>• Firefox</li> <li>• Microsoft Edge</li> <li>• Safari (Mac devices only)</li> </ul> <b>Note:</b> Safari is not supported for screen sharing.                                                                                                                      |
| Internet Speed  | A dedicated and wired high-speed internet connection of 5 Mbps or better (upload and download) per stream (primary and backup).<br><br><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your video connection. |

If you are unable to open the Live Studio, access might be blocked by a firewall or your company network security rules. Review our network requirements and make sure the ports and IP ranges in the "Webcast Presenters - Video Events" column are permitted. If you are unsure of your settings, contact your IT Administrator.

## Broadcasting Requirements

A moderator must join the Live Studio to connect the encoder to the event, start the event, manage event content and Q&A, and end the event. Presenters that will be presenting content must also join the Live Studio.

To broadcast with an encoder, you must:

- Have a dedicated connection with bandwidth that consistently exceeds the bit rate you are transmitting. For example, if you are streaming at 800 Kbps we recommend a dedicated connection of at least 1.6 Mbps. If you're using an active backup encoder, the bandwidth requirements should be doubled to 3.2 Mbps.
- Have a hardware and software package capable of encoding live video streams delivered using the Real Time Messaging Protocol (RTMP). Your PC must permit the RTMP (TCP over port 1935).
- Support H.264 (Video) / AAC (Audio) configurations
- For 720p or 1080p broadcasts, have HD encoding software installed (for example, Wirecast, OBS, or vMix)

**Notes:**

- To prevent the media playback from freezing and requiring a stream refresh, corporate users behind proxy servers should make sure their network settings don't time out on RTMPT requests. If you're unsure of your settings, contact your IT Administrator.
- If you are using an active backup encoder during a live webcast the bandwidth requirements discussed above should be doubled.
- Be conscious of your target audience's bandwidth capabilities when broadcasting at higher bit rates.
- For secured connections using TLS encryption, the RTPS (TCP over port 443) protocol is supported by the platform. The configuration required for using RTMPS will depend on the encoding device or software in use.
- Required Keyframe Interval: 2 seconds
  - Keyframe Interval, which is also referred to as "keyframe frequency" by some encoders, is the frequency that the full image on the screen changes. This should always be set to 2 seconds to ensure optimal playback on the audience viewer. For Wirecast, this should be set to a "Key frame every 60 frames" based on a 30 FPS setting, and OBS should be changed from the default "0=auto" setting to a "2

s" Keyframe Interval.

## System Requirements

# System requirements for single webcam broadcasts

For events with **Webcam** as the live acquisition source. This article details the system requirements for broadcasting a Live event or recording a Simulated Live event with a single webcam.

To join the Live Studio and moderate or present, your system must meet the following minimum system and hardware requirements. At least 48 hours before the event, [run the system test](#) with the hardware and network you will use on the day of the event.

If you're unable to open the Live Studio, access might be blocked by a firewall or your company network security rules. Review our [network requirements](#) and make sure the ports and IP ranges in the Webcast Presenters - Video Events column are permitted. If you're unsure of your settings, contact your IT Administrator.

## Live Studio Requirements

If you're joining the Live Studio as a moderator or presenter, your system must meet the following requirements.

| What you need    | Moderators and Presenters                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware         | PC or Mac<br><br><b>Note:</b> Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support. |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul> |

| What you need   | Moderators and Presenters                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor (CPU) | Intel Core i5 3.0GHz or better<br><br><b>Note:</b> Less powerful processors will degrade audio and video performance.                                                                                                                                                                                                                |
| Memory (RAM)    | 4 GB                                                                                                                                                                                                                                                                                                                                 |
| Browser         | Current or previous 5 versions of: <ul style="list-style-type: none"> <li>• Google Chrome</li> <li>• Firefox</li> <li>• Microsoft Edge</li> </ul>                                                                                                                                                                                    |
| Internet Speed  | A dedicated and wired high-speed internet connection of 3 Mbps or better (upload and download).<br><br><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your video connection. |

## Broadcasting Requirements

For the best audio and video quality, we recommend that presenters use a:

- High quality webcam (for example, Logitech C920) or HD webcast camera
- Headset or webcam mic with built-in noise cancellation. Do not use your computer or webcam's built-in microphone.

When you join the Live Studio, you must grant it access to your mic and camera to connect your audio and video.

## System Requirements

# System requirements for telephone broadcasts

For events with **Telephone** as the live acquisition source. This article details the system requirements for broadcasting a Live event or recording a Simulated Live event over the phone or with VoIP audio.

To join the Live Studio and moderate or present, your system must meet the following minimum system and hardware requirements. At least 48 hours before the event, [run the system test](#) with the hardware and network you will use on the day of the event.

If you're unable to open the Live Studio, access might be blocked by a firewall or your company network security rules. Review our [network requirements](#) and make sure the ports and IP ranges in the Webcast Presenters - Audio Events column are permitted. If you're unsure of your settings, contact your IT Administrator.

## Live Studio Requirements

If you're joining the Live Studio as a moderator or presenter, your system must meet the following requirements.

| What you need    | Moderators and Presenters                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware         | PC or Mac<br><br><b>Note:</b> Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support. |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul> |

| What you need   | Moderators and Presenters                                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor (CPU) | Intel Core i5 3.0GHz or better<br><br><b>Note:</b> Less powerful processors will degrade audio and video performance.                                                                                                                                                                                                                |
| Memory (RAM)    | 4 GB                                                                                                                                                                                                                                                                                                                                 |
| Browser         | Current or previous 5 versions of: <ul style="list-style-type: none"> <li>• Google Chrome</li> <li>• Firefox</li> <li>• Microsoft Edge</li> <li>• Safari (Mac devices only)</li> </ul> <b>Note:</b> Safari is not supported for screen sharing.                                                                                      |
| Internet Speed  | A dedicated and wired high-speed internet connection of 2 Mbps or better (upload and download).<br><br><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your video connection. |

## Broadcasting Requirements

For the best audio and video quality, we recommend that presenters use a:

- Touchtone phone if dialing in to the event
- Headset or mic with built-in noise cancellation. Do not use your computer's built-in microphone if using VoIP.

When you join the Live Studio and connect with VoIP audio, you must grant it access to your mic to connect your audio.



## System Requirements

# System requirements for VCU/telepresence broadcasts

For events with **VCU/Telepresence** as the live acquisition source. This article details the system requirements for broadcasting a Live event or recording a Simulated Live event from a video conferencing unit (VCU) or other endpoint or meeting app accessible by its SIP or H323 address.

To join the Live Studio and moderate or present, your system must meet the following minimum system and hardware requirements. At least 48 hours before the event, [run the system test](#) with the hardware and network you will use on the day of the event.

If you're unable to open the Live Studio, access might be blocked by a firewall or your company network security rules. Review our [network requirements](#) and make sure the ports and IP ranges in the Webcast Presenters - Video Events column are permitted. If you're unsure of your settings, contact your IT Administrator.

## Live Studio Requirements

If you're joining the Live Studio as a moderator or presenter, your system must meet the following requirements.

| What you need    | Moderators and Presenters                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware         | PC or Mac<br><br><b>Note:</b> Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support. |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul> |

| What you need   | Moderators and Presenters                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor (CPU) | Intel Core i5 3.0GHz or better<br><br><b>Note:</b> Less powerful processors will degrade audio and video performance.                                                                                                                                                                                                               |
| Memory (RAM)    | 4 GB                                                                                                                                                                                                                                                                                                                                |
| Browser         | Current or previous 5 versions of: <ul style="list-style-type: none"> <li>• Google Chrome</li> <li>• Firefox</li> <li>• Microsoft Edge</li> <li>• Safari (Mac devices only)</li> </ul> <b>Note:</b> Safari is not supported for screen sharing.                                                                                     |
| Internet Speed  | A dedicated and wired high-speed internet connection of 3 Mbps or better (upload and download)<br><br><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your video connection. |

## Broadcasting Requirements

A moderator must join the Live Studio to connect the VCU to the event, start the event, manage event content and Q&A, and end the event. Presenters that will be presenting content must also join the Live Studio.

To broadcast with a VCU, your VCU must allow incoming SIP or H.323 calls and support H.264 video.

Contact your Video Conferencing vendor or local IT Administrator to ensure firewall permissions allow incoming video calls.

**Note:** To prevent the media playback from freezing and requiring a stream refresh, corporate users behind proxy servers should make sure their network settings don't time out on RTMPT requests. If you're unsure of your settings, contact your IT Administrator.

## System Requirements

# System requirements for video bridge broadcasts

This article details the system requirements for broadcasting a Live event or recording a Simulated Live event with the video bridge. The Video Bridge supports up to 20 presenters connecting via Webcam or another source (for Advanced Video Bridge events only).

To join the Live Studio and moderate or present, your system must meet the following minimum system and hardware requirements. At least 48 hours before the event, run the system test with the hardware and network you will use on the day of the event. For system test instructions, see [Video Bridge Guide for Presenters and Guest Admins](#).

If you're unable to open the Live Studio, access might be blocked by a firewall or your company network security rules. Review our [network requirements](#) and make sure the ports and IP ranges in the Webcast Presenters - Video Events column are permitted. If you're unsure of your settings, contact your IT Administrator.

## Live Studio Requirements

If you're joining the Live Studio as a moderator or presenter, your system must meet the following requirements.

| What you need    | Moderators and Presenters                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware         | PC or Mac<br><br><b>Note:</b> Your computer must be plugged in and have a sound card with speakers and a monitor with 1024x768+ resolution support. |
| Operating System | <ul style="list-style-type: none"><li>• Windows 11</li><li>• Windows 10</li><li>• Windows 8.1 Pro or newer</li><li>• macOS 10.14 or newer</li></ul> |

| What you need   | Moderators and Presenters                                                                                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor (CPU) | Intel Core i5 3.0GHz or better<br><br><b>Note:</b> Less powerful processors will degrade audio and video performance.                                                                                                                                                                                                               |
| Memory (RAM)    | 4 GB                                                                                                                                                                                                                                                                                                                                |
| Browser         | Current or previous 5 versions of: <ul style="list-style-type: none"> <li>• Google Chrome</li> <li>• Firefox</li> <li>• Microsoft Edge</li> </ul> <b>Note:</b> Firefox does not support screen sharing.                                                                                                                             |
| Internet Speed  | A dedicated and wired high-speed internet connection of 3 Mbps or better (upload and download)<br><br><b>Note:</b> To ensure a stable connection, disconnect from the VPN and use a wired internet connection, instead of Wi-Fi. Wi-Fi connections are prone to dips in bandwidth that can negatively impact your video connection. |

## Broadcasting Requirements

### Video Bridge

For the best audio and video quality, we recommend that presenters use a:

- High quality webcam (for example, Logitech C920) or HD webcast camera
- Headset or webcam mic with built-in noise cancellation. Do not use your computer or webcam's built-in microphone.

When you join the Live Studio, you must grant it access to your mic and camera to connect your audio and video.

### Advanced Video Bridge

If you're broadcasting with an advanced video bridge, you can connect to the event by phone or with webcam. You can also dial in to the event from Skype/Lync, an encoder, and a VCU or have the Live Studio dial out to your conference room or device. A moderator must join the Live Studio to connect the room or device to the event, start the event, manage event content and Q&A, and end the event. Presenters that will be presenting content must also join the Live Studio.

**Note:** To prevent the media playback from freezing and requiring a stream refresh, corporate users behind proxy servers should make sure their network settings don't time out on RTMPT requests. If you're unsure of your settings, contact your IT Administrator.

## Encoder Requirements

To broadcast with an encoder, your must:

- Have a dedicated connection with bandwidth that consistently exceeds the bit rate you are transmitting. For example, if you are streaming at 600 Kbps we recommend a dedicated connection of at least 1.2 Mbps. If you're using an active backup encoder, the bandwidth requirements should be doubled.
- Have a hardware and software package capable of encoding live video streams delivered using the Real Time Messaging Protocol (RTMP). Your PC must permit either the RTMP (TCP over port 1935) or RTMPT (over port 80) live streaming protocol or both.
- Support H.264 (Video) / AAC (Audio) configurations

### Notes:

- If you are using an active backup encoder during a live webcast the bandwidth requirements discussed above should be doubled.
- Be conscious of your target audience's bandwidth capabilities when broadcasting at higher bit rates.

## VCU/Telepresence Requirements

To broadcast with a VCU, your VCU must allow incoming SIP or H.323 calls and support H.264 video.

Contact your Video Conferencing vendor or local IT Administrator to ensure firewall permissions allow incoming video calls.

## Telephone Requirements

For the best audio and video quality, we recommend that presenters use a:

- Touchtone phone if dialing in to the event
- Headset or mic with built-in noise cancellation

System Requirements

## Webcast network requirements for presenters

Network requirements for presenters can be accessed here:

<https://webcasts.com/networkresources/>

Refer to the right columns for the requirements for presenters based on if it will be an audio or video event. Please provide these instructions to your IT department to ensure your network meets the requirements outlined here.

# Account Settings

Manage your account and set up two-factor authentication

## Set up two-factor authentication

With two-factor authentication, use a secure, app-generated token to verify your administrative account. This is a time-based, one-time password that is generated using an app on your mobile device used to securely sign in to the administrative portal from a previously unverified browser or device.

Recommended apps for authentication include Google Authenticator, Microsoft Authenticator, or Authy.

### To turn on two-factor authentication for your account:

1. Click on your username in the top right of the page.
2. On the My Profile page, under Account Information, your 2-Step Verification status is displayed. Click **Manage Settings** to update your authentication settings.
3. Click **Enable 2-Step Verification**.
4. Enter your password and click **Authenticate**.

Verification codes are sent to the email address associated with your account to verify future login attempts.

5. Click **Switch to Token-Based Verification** to enable verification via an app. We recommend that you upgrade to our more secure token-based verification.
6. Enter your password and click **Authenticate**.
7. Scan the QR code provided with your chosen authenticator app. You will be provided a time-based token, which is entered in the Verification Code field below the QR code.

Once complete, a confirmation message is displayed.

To turn off token-based verification, click **Use Email Verification**. To turn off two-factor authentication verification, click **Disable 2-Step Verification**.

## Account Settings

# Use SSO to authenticate Webcast Admin access

For added security, you can use your organization's single sign-on (SSO) to authenticate access to the Webcast Admin portal. You can require admins to sign in from your SSO login page and also allow them to sign in using their Webcast username and password.

Once enabled, your Team Manager can enable SSO for each admin and select how they'll access the Webcast Admin portal. Allow sign-in from:

- Your organization's SSO login page only; optionally, have the Webcast login offer a redirect link
- Your organization's SSO login page and the traditional Webcast login flow

The Webcast Admin login page detects SSO-enabled usernames and enforces your SSO selection. If an admin tries to sign in using their Webcast login, it either blocks their access, blocks access with a link to your SSO login page, or accepts their username and password.

### Notes:

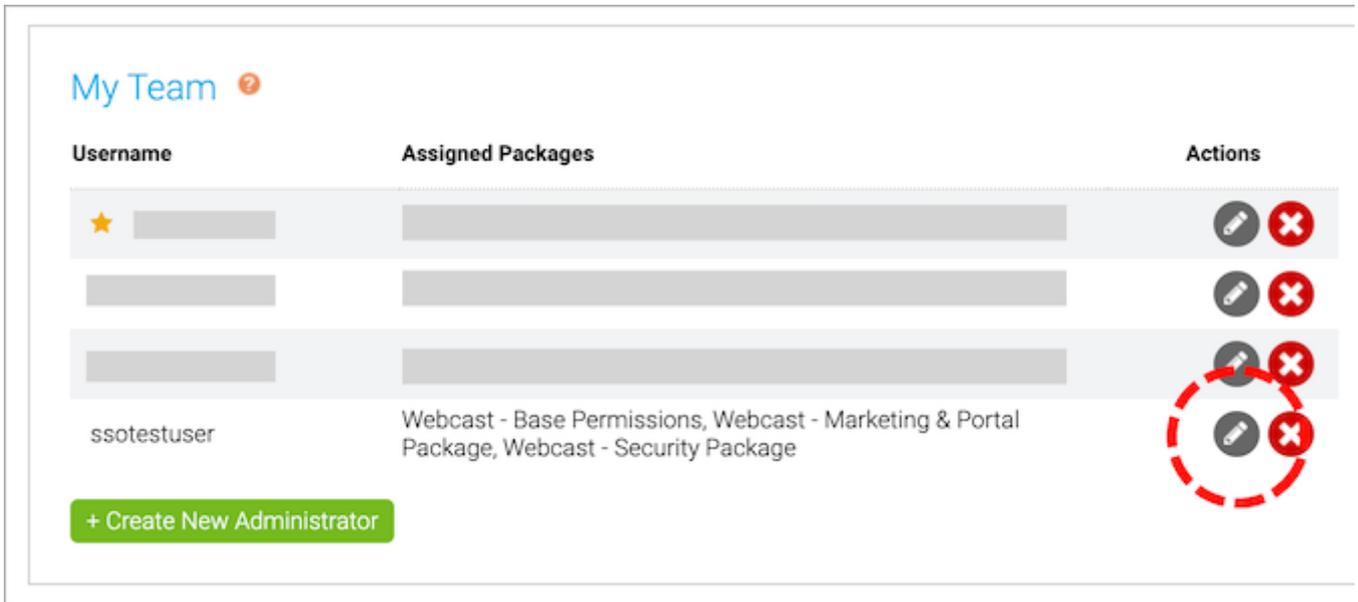
- Single sign-on requires additional setup. If you are interested in implementing SSO for your organization, please contact [se@webcasts.com](mailto:se@webcasts.com) or your sales representative.
- Single sign-on isn't a global setting. Enable it for each admin user.

### To set up SSO for a user:

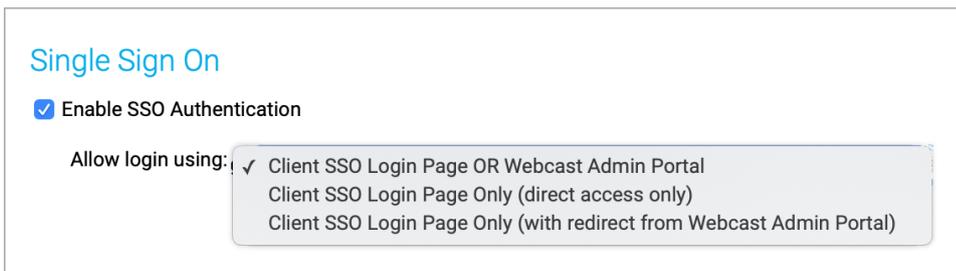
1. At the top of the Webcast Admin portal, click **Manage Accounts**.



2. On the Manage Licenses page, under My Team find the admin you'd like to edit, and then under Actions, click **Edit** (pencil icon).



3. On the Manage Admin page, scroll to the Single Sign On section.
4. Select **Enable SSO Authentication** and choose how to authenticate access to the Webcast Admin.



5. Click **Save Changes**.

Account Settings

## Managing a Group License

A **License** allows for account access to be shared by a group of users at a company. One user can be designated as a **Team Manager**, which allows them access to manage their license and the accounts of other employees at your company. New accounts can be created to provide each team member a unique login to the platform. Existing accounts can be managed to update access, change permissions or shut down accounts as needed.

If you have been assigned as the Team Manager, you will see a **Manage Accounts** link in the top right of the platform. Click **Manage Accounts** to access the License setup.

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### Create New Accounts

- Under the "My Team" section, click **Create New Administrator** to create a new Administrator account.

- Depending on the number of users in your team, you may need to scroll down to see this option.

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- On the "Create Admin" screen, complete the form to setup a new Administrator account.
  - The Email Address field will be used to send system notification related to your presentation. Please use a valid email address.

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- Along the right, choose how the account details will be sent. You (the team leader) will always be included on the account email.

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- Under "Home Folder", click **Change Folder** to choose what folder(s) the Administrator can access.

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- On the "Manage Permissions" screen, complete the setup to assign permissions to the new Administrator account.
  - Next to "Assigned Packages", click **Edit** to update what packages an Administrator can access.

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- Under License Limits, the limits for scheduling an event will display. These settings are controlled by the License settings and cannot be adjusted for each user.

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- Under Security Settings, adjust the expiration date or enable 2-Step Verification on an account.

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## Manage Existing Accounts

- In the "My Team" section, a list of existing Administrator accounts will appear.

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- Click the **X** icon to delete an Administrator account.
- Click the pencil icon to edit an Administrator account.
  - On the "Manage Admin" screen, you can update the Username, Password, Email Address and other contact information associated with an Administrator account.
    - Note: Be sure to click **Save Password** (when updating a password) or **Save Changes** (when updating Username, Email Address or other contact information).
- Click **Manage [Username]'s Permissions** at the top of the screen to update the permissions available to an Administrator.

- Next to "Assigned Packages", click **Edit** to update what packages an Administrator can access.
- Under "License Limits", adjust the limits for scheduling an event.
- Under "Security Settings", adjust the expiration date or enable 2-Step Verification on an account.
- Under "Home Folder", click **Change Folder** to choose what folder(s) the Administrator can access.

## Additional Information

- The "License Details" section will display your License Name, Folder and Client access and the assigned Client Team Manager.

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- The "My Feature Packages" section will display a list of Packages available with your License. Click the arrow icon to display the features included with each Package.

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- The "License Limits" section will display the audience, duration and archive limits associated with your License.

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- The "Security Settings" section will display the License's expiration date and the 2-Step Verification security option.

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## Account Settings

# How can I update my account details (Username, Password and/or Email Address)?

The **Account Details** page allows you to access your account information, including the Username, Password and Email Address associated with your account. The Username and Password are used to login to your account. The Email Address associated with your account is used for system notifications, including new event and event archive notifications, slide upload notifications, and password reset requests or requests to unlock your account. It is recommended to use a valid email address to ensure you have access to these email notifications.

After logging into your account, click on your Username in the top right of the platform.

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In the **Contact Information** section, you can update your account information, including the Username and Email Address. In the **Change Password** section, you can update the Password for your account. The **Account Information** section allows you to view login details, your account expiration date, an option to be notified of system update and the controls for 2-Step Verification. Click **Save Changes** to save any updates to your account.