

Media streaming with IBM video streaming

Definition

- A scalable, cloud-based online video platform that is an end-to-end solution for live or on-demand content to external audiences. Managed from a dashboard by account administrators, IBM Video Streaming supports both ease-of-use and complex setups while being able to scale through built-in multi-CDN support

ABSTRACT

IBM Cloud Video products are designed to facilitate delivery of video to target audiences. In some cases, the target audience is a consumer audience, because the video is created for marketing purposes, to inform and educate consumers on products and services. In other cases, video is used as a way to train, educate, inform, or build rapport with employees, partners and clients. Cloud Video has offerings that address these varied use cases and applications.

Clients can purchase the Watson Captioning Live Integration chargeable component to automate the insertion of closed captions during live streaming video broadcasts. To ensure the highest level of accuracy, the solution offers the ability to pretrain the AI on company-and industry-specific terminology, pronunciation, and spelling.

This is a first-to-market solution for combining enterprise video and automated closed captioning as a single solution from a single vendor.

The integration of live captioning into business video can empower teams to facilitate open, collaborative communication, increasing workplace content engagement and accessibility.

The capability is the same for both IBM Video Streaming and IBM Enterprise Streaming.

Enterprise Video Streaming is designed to power live and on-demand video-based communications, including virtual conferences and events, employee town halls, trainings, and enablement sessions, boosting engagement from virtually anywhere.

Enterprise Video Streaming is designed to help you:

- Take full advantage of live, simulated live, and on-demand video for various use cases
- Reach global audiences that require multilanguage captions and audio tracks
- Employ flexible, security-rich options for content when some content needs to be protected and viewed only by authenticated individuals with specific rights, while other content needs to be open to public-facing audiences

- Improve video workflows and efficiencies by leveraging automation to save time, money, and resources
- Support large-scale live streams, utilizing automated switching between content delivery network infrastructure
- Leverage event lead capture and viewing analytics in related marketing campaigns

Problem solving solution:

Problem: You're experiencing issues with media streaming using IBM Video Streaming. Here's a step-by-step solution to address common problems:

Check Your Internet Connection:

Ensure that you have a stable and sufficiently fast internet connection. Slow or unreliable internet can lead to buffering issues.

Verify Your Account and Subscription:

Double-check that your IBM Video Streaming account is active and your subscription is up to date. Insufficient permissions can cause problems.

Review Video Settings:

Confirm that you've configured your video settings correctly. Check the resolution, bitrate, and encoding settings to ensure they align with your streaming capabilities.

Inspect Encoder Settings:

If you're using an external encoder, review its settings. Ensure the encoder is set up properly to match the recommended settings for IBM Video Streaming.

Check Your Network Firewall:

Ensure that your network's firewall or security settings are not blocking the required ports or protocols for streaming. IBM Video Streaming typically uses ports 80 and 443 for HTTP and HTTPS traffic.

Stream Health Monitoring:

IBM Video Streaming offers tools to monitor stream health. Use these to identify issues like dropped frames or packet loss. Address any identified problems.

Content Delivery Network (CDN):

If you're using a CDN with IBM Video Streaming, verify its performance and configuration. CDNs can significantly impact streaming quality.

Bandwidth Testing:

Run a bandwidth test to ensure your available internet speed is sufficient for the streaming quality you desire. You may need to adjust the streaming quality to match your available bandwidth.

IBM Support and Documentation:

Refer to IBM's support resources, including documentation and user forums, for specific troubleshooting guides and community support.

Customer Support:

If you've tried all the above steps and the issue persists, contact IBM's customer support for direct assistance with your streaming problem.

Regular Updates and Maintenance:

Ensure that you keep your streaming equipment, software, and platform up to date with the latest patches and updates. This can resolve compatibility issues.

Conclusion

In conclusion, IBM Video Streaming offers a powerful platform for media streaming, but success depends on several key factors. To ensure a seamless streaming experience, it's essential to address issues related to internet connectivity, account and subscription status, video and encoder settings, compatibility with browsers and devices, network firewall configuration, and content delivery network (CDN) performance. Regularly monitoring stream health, conducting bandwidth tests, and staying up to date with software and platform updates are also crucial.

For complex issues, IBM's support resources, including documentation and customer support, are valuable assets. By following best practices and leveraging these resources, users can maximize the potential of IBM Video Streaming and deliver high-quality media streams to their audiences.

