

Adobe® Flash® Media Server on Amazon Web Services™

Advanced interactive media delivery platform with lower up-front costs



Adobe Flash Media Server for Amazon Web Services is the ideal choice for any individual or organization that wants to take advantage of the full feature set of Flash Media Enterprise Server 4 with minimal up-front investment:

- Social media, online gaming start-ups
- Enterprises evaluating new technology
- Small to midsize businesses that need to maximize delivery capacity while minimizing network and licensing costs
- Education institutions
- Government agencies
- Companies that want fast, easy deployment, as Flash Media Server on Amazon Web Services works seamlessly with Open Source Media Framework as well as Strobe Media Playback and Adobe Flash Media Playback rebuilt players

Deploy and manage your multiprotocol media streaming easily and affordably. Adobe's partnership with Amazon Web Services simplifies the deployment of interactive media applications using peer-assisted networking. Start creating multiuser experiences with high-quality streaming for both live and on-demand content quickly and easily. Deliver to a wide variety of platforms and devices with minimal up-front commitment or investment.

Take advantage of powerful features and flexible deployment

Companies can now leverage the multiprotocol streaming and interactive features of Adobe Flash Media Enterprise Server software without the licensing costs and contracts associated with managing their own servers.

Top benefits include:

- No server hardware infrastructure to set up or maintain
- No up-front investment in software licenses
- No cost for future software upgrades
- No long-term commitment
- No minimum number of server instances
- Preconfigured and tuned for Flash Media Enterprise Server 4
- Global data centers so you're close to your customer
- Scalable deployment, enabling you to add or remove server instances and pay only for machine time and data transfer used
- Access to the latest version of Flash Media Enterprise Server

Create revolutionary applications

Enhance the interactive capabilities of web applications with the peer-assisted networking features of Flash Media Server on Amazon Web Services. Affordably deliver breakthrough, engaging environments supported by efficient multiway communications, HD-quality video, integrated live video streams, delivery to mobile devices, plus deeper interactivity through server-side scripting access.

Stream directly from Amazon S3

Use Flash Media Server on Amazon Web Services to stream media files directly from your Amazon Simple Storage Service (S3) account. A read-through local disk cache is configured automatically, improving the performance of streaming media from S3.

Manage live ingest points

Ingest live multibitrate streams for RTMP or HTTP Dynamic Streaming delivery. An instance of Flash Media Server on Amazon Web Services can be used:

- As an origin server for content delivery network (CDN) delivery
- As a local publishing point for live streaming, with stream split out to multiple CDNs
- To create a linear playlist to stream to a CDN

Experience more secure multiprotocol delivery

Deliver live and on-demand streams on the protocol of your choice:

- HTTP Dynamic Streaming—Support adaptive bitrate and optional Adobe Flash Access² protection for live or on-demand streams over standard HTTP connections. Perform real-time live packaging for HTTP streaming, and create dynamic manifest (F4M) files. Optimize stream delivery with the preconfigured HTTP Dynamic Streaming Origin Module.
- RTMP—streaming Support adaptive bitrate delivery and stream encryption for live and on-demand streams, along with low-latency real-time communication over industry standard RTMP/RTMPE.
- RTMFP—Achieve real-time, ultralow latency communication with new peer-assisted networking. Reduce bandwidth costs for direct, live, real-time communication applications such as audio and video chat and multiplayer games. Use RTMFP to realize higher network efficiencies with new application-level multicast support, saving bandwidth and network costs by distributing a stream among peers.

Top reasons to subscribe to Flash Media Server on Amazon Web Services

Peer-assisted networking

Deliver interactive media experiences using RTMFP delivery protocol. Create multiuser games and media communication applications with extreme network efficiencies through peer-assisted networking. Increase delivery capacity as much as tenfold for enterprises and large-scale social media applications.

Application multicast

Use peer-assisted networking in Adobe Flash Player 10.1 and later software to distribute high-quality, more secure streams among peers, significantly reducing the network load. Use prebuilt tools and Open Source Media Framework (OSMF) to get started quickly and easily.

Enhanced RTMP streaming

Take advantage of the enhanced functionality in Flash Player 10.1 and later, which gives interactive access to media held in the buffer. Enable features such as trick mode playback (fast motion, slow motion, and frame stepping) as well as allow the video player to continue to play buffered video while reconnecting to the server if the connection is lost. Enjoy faster switching between streams when utilizing RTMP Dynamic Streaming for adaptive bitrate delivery, which improves the user experience during bandwidth fluctuations. RTMP Dynamic Streaming is a quality of service (QoS) feature that responds to changes in a viewer's bandwidth or computing resources and quickly switches between bitrates during playback without disruption.

Security

Create deep access controls such as domain white and black listing, external server authentication, authorization plug-ins, and other custom applications that protect interactive media experiences.

Multiuser experiences for your audience

Deliver breakthrough, engaging environments with enhanced multiuser experiences (such as video chat, Voice over Internet Protocol, video overlays, server-side playlists, and server-side recording), plus deeper interactivity through an extensible development architecture and rich server-side scripting support.

Absolute time code

Help ensure that existing time codes persist within media files to allow richer synchronization between streams, improving interactive experiences (such as switching audio tracks or camera angles) with multibitrate and multistream video and synchronized playback events.

System requirements

- Amazon Web Services account
- Major credit card
- SFTP client (such as WinSCP)
- SSH client (such as PuTTY)
- Flash Media Playback or OSMF-based video player

Easier implementation

Get started right away with easy, out-of-the-box deployment. Flash Media Server for Amazon Web Services makes it simple with prebuilt features for live, video on demand, and multiprotocol delivery of encrypted media to Flash Player and the Adobe AIR® runtime. Simply configure an Amazon EC2 instance to run a Flash Media Server Amazon Machine Image (AMI) and get up and running in minutes.

HTTP Dynamic Streaming

Deliver HD-quality video over standard HTTP network infrastructures with HTTP Dynamic Streaming support for both live and on-demand streams. Flash Media Server on Amazon Web Services provides:

- Live packaging
- Origin support
- DVR support
- Real-time manifests

DVR functionality

Archive live, high-definition streams on the server and enable HD DVR functionality (instant replay and time shifting) with support for H.264 stream recording for both RTMP and HTTP Dynamic Streaming. Pause a live stream, or seek backwards into the video that was missed.

For more information

www.adobe.com/go/fmsaws



Adobe

Adobe Systems Incorporated
345 Park Avenue
San Jose, CA 95110-2704
USA
www.adobe.com

Adobe, the Adobe logo, Adobe AIR, AIR, Flash, and Flash Access are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. All other trademarks are the property of their respective owners.

© 2010 Adobe Systems Incorporated. All rights reserved. Printed in the USA.

91043772 12/10