

B-IIC re:Invent 2023 Announcements

re:Invent 2023 announcements that are relevant (or potentially relevant) for broadcast customers and partners

MOST DIRECTLY RELEVANT ANNOUNCEMENTS

Category	Description	Why Relevant for Broadcast?
<i>Networking</i>	ENA Express supports 58 new instances with sizes as small as 16 vCPUs	ENA Express, which can be used to reliably deliver high bandwidth flows between EC2 instances, is now available on a broader range of EC2 instances, including smaller (less costly) instances. ENA Express can be used for broadcast applications such as uncompressed video streaming between instances.
<i>Compute</i>	Announcing new Amazon EC2 R8g instances powered by AWS Graviton4 processors (Preview)	R8g EC2 instances, powered by our newest generation Graviton4 CPUs, are now available for preview. Graviton4 offers up to 30% better performance with up to 3x more vCPUs and memory compared to AWS Graviton3 based instances. Graviton instances excel in several broadcast applications, including video encoding.
<i>End-User Compute</i>	Amazon WorkSpaces Thin Client is now generally available	WorkSpaces Thin Client is a hardware thin client device for accessing Amazon WorkSpaces virtual desktops. Available for \$195USD each, they provide a managed alternative to traditional VPNs for accessing corporate resources, productivity and administrative tools, and can be used for managing cloud-based media workflows.
<i>ML</i>	Powered by foundation model, Amazon Transcribe now supports over 100 languages	Amazon Transcribe now supports automated speech recognition in over 100 languages and with improved accuracy. Amazon Transcribe can be integrated into broadcast workflows for compliance (automated closed captioning/subtitling) as well as localization.
<i>Storage</i>	Amazon EFS now supports up to 250,000 IOPS per file system	Amazon EFS now supports a 4.5x improvement in read operations per second, up to 250,000 IOPS and up to 50,000 write IOPS. This increased performance means that Amazon EFS can be suited for use in demanding media workloads.
<i>Storage</i>	Announcing the Amazon S3 Express One Zone storage class	Amazon S3 Express One Zone is a new storage class available in Amazon S3 offering up to 10x improvement in data access speeds and up to 50% reduction in request costs compared to S3 Standard. S3 Express One Zone is designed for highly parallelized applications where data is read/written frequently. S3 Express One Zone can be used for broadcast applications such as hot recording, graphics, asset rendering, etc. Note that One Zone runs in a single specific Availability Zone.
<i>Time</i>	Amazon Time Sync Service now supports microsecond-accurate time	Amazon Time Sync Service now offers access to local, GPS-disciplined reference clocks on supported EC2 instance types with microsecond level accuracy. This allows applications that require extremely accurate timing (such as PTP) to function accurately on EC2.
<i>Support</i>	AWS Support launches AWS Countdown with a premium tier	AWS Countdown provides a "high touch" support experience for specific events, such as migrations or live events, by providing direct access to AWS subject matter experts, event room support, and pre-event readiness and risk mitigation assessment.

ANNOUNCEMENTS THAT MIGHT BE RELEVANT TO SOME DEVELOPER CUSTOMERS/PARTNERS

Category	Description	Why Relevant for Broadcast?
<i>Partner</i>	Announcing AWS Marketplace APIs for sellers	ISVs and Channel Partners can now interact with their Marketplace catalog offerings (product listings, offers, resale authorizations) as well as Agreements via API. This allows sellers to automate complex, high-volume transactions in AWS Marketplace.
<i>Partner</i>	Announcing SaaS Quick Launch for AWS Marketplace	SaaS Quick Launch allows Marketplace SaaS offerings to launch resources via pre-configured CloudFormation templates and offer guided, step-by-step instructions to customers to accelerate deployment of SaaS products.
<i>Developer</i>	AWS SDK for Kotlin is now generally available	Customers and partners who develop in Kotlin can now use the generally available AWS SDK for Kotlin in their applications.
<i>Developer</i>	AWS SDK for Rust is now generally available	Customers and partners who develop in Rust can now use the generally available AWS SDK for Rust in their applications.
<i>ML / Gen AI</i>	Numerous new Foundation Models available in Amazon Bedrock	AWS announced the availability of a number of new Foundation Models in Amazon Bedrock, including Llama 2 70B, Claude 2.1, Stable Diffusion XL 1.0, Amazon Titan Multimodal Embeddings, Amazon Titan Text, and Amazon Titan Image Generator. This allows broadcast applications to seamlessly include Generative AI capabilities such as summarization, chatbots, and artwork generation.
<i>Application</i>	Amazon CloudWatch Logs announces Infrequent Access log class	CloudWatch Logs now supports a new Infrequent Access log class, allowing cost-effective consolidation of logs at a lower per-GB ingestion cost for infrequently accessed logs.
<i>Application</i>	myApplications : One place to view and manage your applications on AWS	myApplications is a new AWS Management Console service that allows customers to group AWS resources by application to easily see cost, performance, and security findings by application.