AWS re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

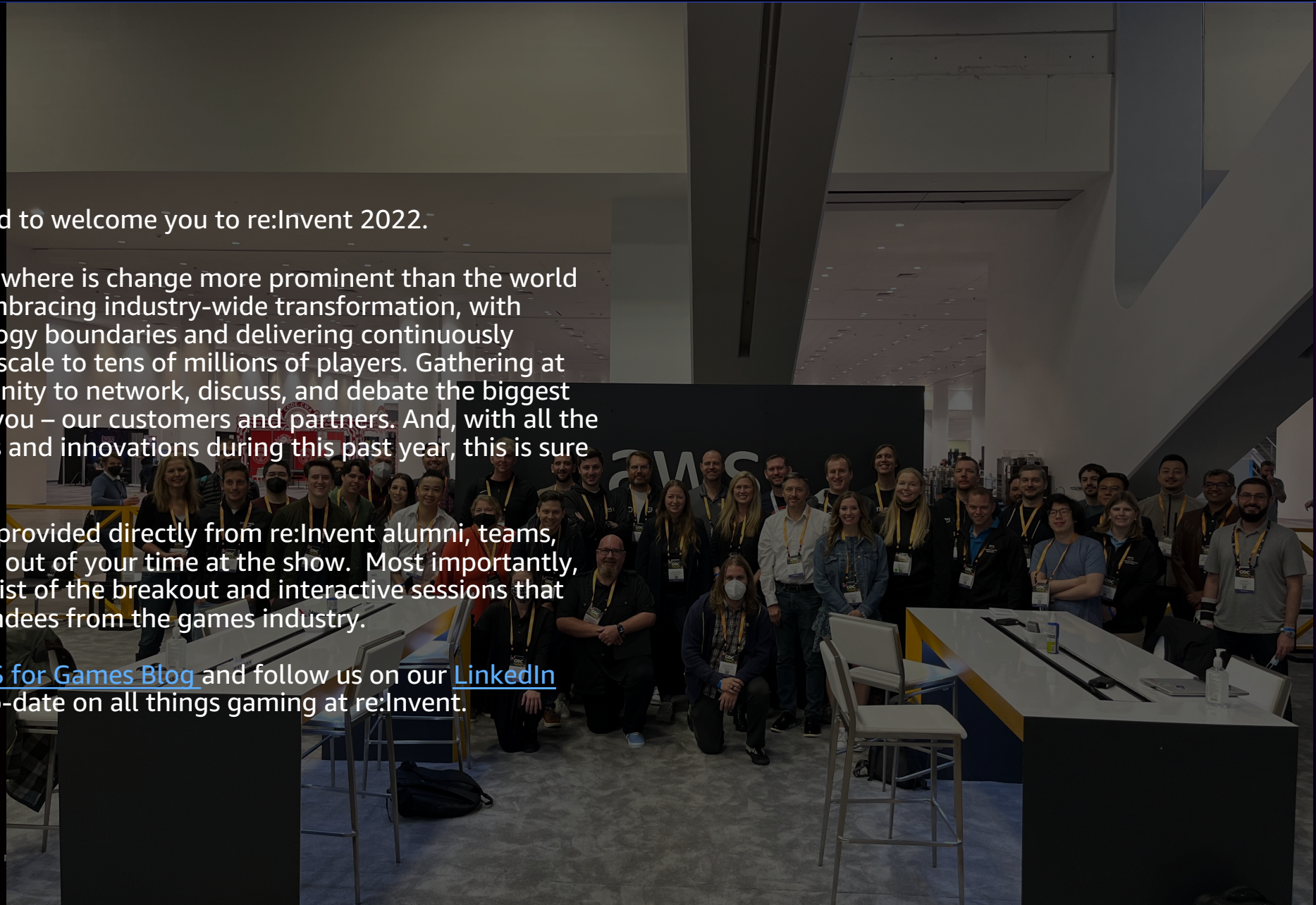# AWS Games
Attendee Guide

Welcome!

The AWS for Games team is excited to welcome you to re:Invent 2022.

It's been a fantastic year so far. Nowhere is change more prominent than the world of games. Game developers are embracing industry-wide transformation, with studios pushing the latest technology boundaries and delivering continuously updated gaming experiences that scale to tens of millions of players. Gathering at re:Invent gives us another opportunity to network, discuss, and debate the biggest challenges and latest trends with you – our customers and partners. And, with all the AWS solution and service launches and innovations during this past year, this is sure to be the best re:Invent yet!

This guide is full of tips and tricks provided directly from re:Invent alumni, teams, and staff to help you get the most out of your time at the show. Most importantly, this guide also includes a curated list of the breakout and interactive sessions that we feel are most relevant for attendees from the games industry.

Be sure to keep an eye on the [AWS for Games Blog](#) and follow us on our [LinkedIn AWS for Games](#) page to stay up-to-date on all things gaming at re:Invent.

Your AWS for Games Team

AWS re:Invent is the most comprehensive event AWS hosts each year. It's the fastest way to learn about AWS and sharpen your skills. Our vibrant, inspiring cloud community can't wait to meet you.

Keynotes

The most important cloud announcements of the year happen at re:Invent. Be there for big news and product launches that will change the cloud landscape, and then learn how to apply new innovations to your own business.

Hear from top AWS leaders and from big-name customers who will share inspiring stories focusing on the AWS technologies that supported their successes.

Learn more

Leadership sessions

Gain valuable new perspectives on a range of cloud computing topics from visionary AWS leaders. Leadership sessions are 60-minute deep dives on everything from analytics to containers, security, and beyond.

Browse the full list of leadership sessions and fill any holes in your schedule. You may just find that "aha!" moment. You can get the most up-to-date schedule on the re:Invent website.

Learn more

Session types

BREAKOUT SESSIONS

AWS re:Invent breakout sessions are lecture-style and one hour long. These sessions take place across the re:Invent campus and cover all topics at all levels (200–400). For our virtual attendees, breakout sessions will be available as on-demand video.

WORKSHOPS

Workshops are two-hour hands-on sessions where you work in teams to solve problems using AWS services. Workshops organize attendees into small groups and provide scenarios to encourage interaction, giving you the opportunity to learn from and teach each other.

CHALK TALKS

Chalk talks are a highly interactive content format with a small audience. Each begins with a short lecture delivered by an AWS expert (10–15 minutes) followed by a Q&A session with the audience (45–50 minutes).

BUILDERS' SESSIONS

These are 60-minute small group sessions with up to six attendees and one AWS expert per table, who is there to answer questions and provide guidance. It's just you, your laptop, and the AWS expert.

Learning & Networking Opportunities

There are many additional opportunities across the re:Invent campus to meet new people and learn skills along the way.

EXPO

Learn from AWS experts and partners. The Expo at The Venetian will host the AWS Village, AWS Partner Network booth, AWS Marketplace booth, Builders' Fair, Developer Lounge, a demo theater, Jam Lounge, Startup Central, and sponsor booths. Come by and see all that the Expo has to offer!

GAMIFIED LEARNING

Level up your AWS skills by joining our fun, interactive learning events. We're offering four gamified learning opportunities at re:Invent: AWS GameDay, AWS GameDay Quest Fest, AWS Jam, and AWS Jam Lounge, where you can win prizes and compete to top the leaderboard.

RE:PLAY

If you still have gas in the tank after a long week of learning, it's party time. Our 11th annual re:Play party will have two stages, one with DJs and one with live bands, performing all night.

AWS for Games Recommendations

Personalized recommendations for game developers at re:Invent 2022.

BREAKOUT SESSIONS

GAM203

How AWS and Riot Games built a governance reporting engine

The Riot Act is an automated summary of strategic insights, opportunities, and actions that are customized by teams. In this session, learn how AWS and Riot Games built a solution that unifies cost, usage, recommendations, performance, governance, and security into a data lake and prescriptive reporting engine.

Learn more

GAM202

How Creative Assembly delivers live games at scale with AWS

Creative Assembly (CA), a SEGA studio, has been at the forefront of the strategy gaming genre for 22 years with its award-winning Total War franchise. To foster innovation and help with speedier iteration, CA decided to go all in on AWS, evolving its live services architecture to use over 62 AWS services including Amazon DynamoDB, Amazon EC2, Amazon Kinesis Data Streams, and AWS Lambda. In this session, learn how cloud can help game studios deliver AAA games to large global audiences, how evolving game architecture can simplify operations, and how cloud can help developers focus on delivering increasingly innovative game play.

Learn more

GAM201

Building a successful Korean MMORPG with KakaoGames

KakaoGames recently launched the massive multiplayer online role-playing game (MMORPG) "Odin: Valhalla Rising" on AWS. The game became one of the most successful games in Korean game industry history, with 400,000 DAU and $2M daily revenue. In this session, attendees can learn how KakaoGames maximized their game server performance by selecting the right type of instances, optimizing a Windows operating system, and adopting Amazon Aurora as a main database. Find out what lessons were learned during KakaoGames' customer journey, how MMORPGs are architected on AWS, and why KakaoGames chose AWS.

Learn more

ANT341

How Riot Games processes 20 TB of analytics data daily on AWS

Riot Games ingests about 20 TB of data every day on AWS. This data powers a wide range of services including game matchmaking, in-game personalization, analytics, security, and player behavior management. Until recently, this data was only queryable for up to 6 hours after it was produced. With Amazon MSK, the team reduced time down to 5 minutes. Amazon MSK also allowed Riot Games to lower TCO and deprecate an aging map-reduce-based pipeline. In this session, Riot Games describes the before state, migration path, current state and future state of their data ingestion pipeline.

Learn more

CHALK TALKS

GAM303

Global multiplayer infrastructure: Compute, containers & Amazon GameLift

Launching a game globally can be challenging, especially if you want to meet players' expectations for wait times and player experience. In this chalk talk, learn how to create a multiplayer game infrastructure that can support your game around the globe. Explore different architectures that help you find the best game server solution, game backend design, and network performance. Learn how you can use serverless architecture to host your backend, and choose the right game server hosting for your multiplayer game sessions: Amazon EC2 to have control over processors and memory, containers using Amazon ECS or Amazon EKS, or Amazon GameLift to handle global server fleet deployment and management.

[Learn more](#)

GAM204

Protect gamer experiences with AI content moderation

72 percent of gamers experience toxic behaviors, and 22 percent of them stop playing a game due to toxicity. In this chalk talk, learn how to protect gamers, digital environments, and brands online by automating content moderation with AI.

[Learn more](#)

CMP322

Deploying cost-effective, scalable video games on Kubernetes

In this chalk talk, use AWS Managed Services (AMS) to deploy a cost-effective, containerized massively multiplayer online (MMO) game. Learn how to design a production-grade architecture with Amazon EC2 Spot Instances, Amazon EKS, Network Load Balancer, and Amazon Aurora Serverless while playing video games. Run a Minecraft-like game on Amazon EC2 Spot Instances deployed in Amazon EKS that maintains its state in Aurora Serverless. Also learn how Network Load Balancer helps to minimize the impact of Spot interruption. This talk is intended to help you understand how to make your application stateless in order to build cost-effective, scalable applications.

[Learn more](#)

HYB310

Design performant, scalable & compliant real money gaming workloads

The ability to scale and meet low-latency requirements is imperative to creating a high-fidelity gaming experience. Real money gaming (RMG) workloads are defined by similar requirements but present a unique challenge due to their need to also comply with residency regulations. In this chalk talk, learn about RMG workloads and how you can use AWS Regions and AWS edge services to tackle residency, latency, and scalability challenges faced by this RMG customers. Learn patterns and best practices for creating hybrid architectures using in-Region and edge compute, storage, networking, and security services.

[Learn more](#)

WORKSHOPS

GAM205

Analytics for games

Game developers need the most up-to-date information about player engagement. Speed is key and success relies on real-time analytics, whether it's identifying which in-game items are most purchased, seeing how advertising and IAP currency sales are performing, or discovering where players are getting stuck. Learn how to make faster, better decisions, visualize trends as they happen, and share live results with teams. In this workshop, learn how to build an analytics pipeline on AWS and see AWS services in action, including Amazon Kinesis, AWS Glue DataBrew, Amazon Athena, and Amazon QuickSight, and how they can help extend the game's lifecycle with more engaged and happy players. You must bring your laptop to participate.

[Learn more](#)

GAM302

Containers for scaling games

In this workshop, learn how to modernize game servers by porting them from bare metal/VM to containers. Gain practical skills for how to deploy game servers to Kubernetes while meeting CPU and memory requirements, integrate matchmaking, utilize container scans in CI/CD pipelines, and observe games using custom metrics. Attendees also build foundational skills around AWS CDK. You must bring your laptop to participate.

[Learn more](#)

AIM316

Build a content moderation workflow to protect users, brands & information

As the volume, complexity, and speed of user-generated content increase, organizations of all sizes commit significant technical and human resources to help ensure that customers and brands are not harmed by offensive material and that sensitive information is not exposed publicly, all while keeping operational costs down. Join this workshop to learn how to build a multimodal content moderation workflow that processes and analyzes images, videos, text, and audio using AWS AI services. You must bring your laptop to participate.

[Learn more](#)

AWS for Games Lounge

The AWS for Games Lounge, located in Caesar's Forum, is dedicated space for game industry leaders to meet, network, and learn how AWS is helping power innovation. Live demos will run throughout the day and will be presented by an AWS for Games expert.

In this lounge you'll also find additional industry demos and be able to discover how industries such as sports, games, telco, energy, advertising, and others are partnering with AWS to drive innovation for their customers.

Open Monday, 11/28 – Thursday, 12/1

Location: AWS Industries Networking Lounges; Caesars Forum Main Hall

ADDITIONAL GAMES RELATED SESSIONS

BREAKOUT SESSIONS

- **CMP212** – Metaverse experiences come to life with Amazon EC2 accelerated computing

- **CMP311** – The future of sport: How Riot Games is reinventing remote esports broadcasts

- **CMP208** – Running high-fidelity graphics workloads in the cloud

- **ADM203** – Boost user engagement with Amazon Personalize

- **ANT317** – Self-service analytics with Amazon Redshift Serverless

- **DAT222** – Deep dive on MySQL databases in Amazon RDS

- **PRT220** – How to maximize HPC productivity, performance, and portability (sponsored by NVIDIA)

BREAKOUT SESSIONS

- **SUS303** – Delivering sustainable, high-performing architectures

- **NET312** – HBO Max achieves scale and performance with Amazon CloudFront

- **NFX202** – Decoupling identity, compute, and network residency on AWS

- **NFX203** – Cloud filesystem in studio workflows: A Netflix Drive case study

- **NFX303** – Transforming Netflix's AWS infrastructure to IPv6 world

- **SEC329** – AWS security services for container threat detection

- **SPT101** – How AWS helps F1 TV increase fan engagement

ADDITIONAL GAMES RELATED SESSIONS

CHALK TALK SESSIONS

- **AIM306** – Automate content moderation and compliance with AI

- **AIM318** – Taking personalization to the next level with Amazon Personalize

- **DAT305** – Build ultra-fast microservices apps with Amazon MemoryDB for Redis

- **DAT301** – Use graphs to perform fraud analysis with Amazon Neptune and Neptune ML

- **CMP410** – Framework for adopting AWS Graviton–based instances

- **CMP408** – Running containerized workloads on AWS Graviton–based instances

WORKSHOP SESSIONS

- **AIM312** – Build a custom recommendation engine in 2 hours with Amazon Personalize

- **BLC301** – Build an NFT marketplace on Ethereum with Amazon Managed Blockchain

- **DAT313** – Build stateful K8s applications with ultra-fast Amazon MemoryDB for Redis

- **DAT307** – Turbocharging your applications with AWS in-memory databases

Make a plan

Prepare for your time onsite in Las Vegas and make a plan to get the most out of re:Invent.

Your re:Invent checklist

✓ Register for re:Invent, book your hotel, book your travel reservations, upload your badge photo

✓ Visit the [re:Invent website](#) to stay up to date on announcements

✓ Add all five [keynotes](#) to your agenda
   Pro tip: This is where you'll catch the biggest AWS launches

✓ Add your favorite Leadership sessions to your agenda

✓ Get ready for reserved seating: favorite the learning sessions of interest to you

✓ Familiarize yourself with sponsors in the [Expo](#), along with the Expo map

✓ If you're attending with a team, connect with your colleagues to plan how to maximize the learnings
   Pro tip: Don't forget to find time to reconvene with your team and debrief on everyone's experiences

✓ Check out the [community](#) activities and add them to your agenda

✓ Watch all the [How to re:Invent](#) episodes to prepare for the week

✓ Follow AWS on Instagram, Facebook, LinkedIn, and Twitter

Mobile app

The AWS Events mobile app is your companion in planning and navigating your re:Invent experience.

- Explore the sessions, experts, and exciting new services and features that will be available at re:Invent

- Plan your experience by adding sessions of interest to your planner

- Get updates on the latest content, speakers, and services added to the catalog

- Complete session survey questions and provide feedback

- View a map of the re:Invent campus

- Get notifications for activities happening throughout the event

Download on the **App Store**

GET IT ON **Google Play**

Got free time on your schedule?

There are many learning opportunities across the re:Invent campus in Las Vegas that require no reservation. Drop by the Expo, visit a content hub, or practice your craft in one of our labs.

EXPO

Learn from AWS experts and partners. The Expo at The Venetian will host the AWS Village, AWS Partner Network booth, AWS Marketplace booth, Builders' Fair, Developer Lounge, a demo theater, Jam Lounge, Startup Central, and sponsor booths. Come by and see all that the Expo has to offer!

CONTENT HUBS

Breakout session repeats will take place all week in all re:Invent venues, along with overflow sessions in our content hubs (centralized overflow rooms in every venue). We will also stream live content to the content hubs as the sessions fill up.

LABS

Practice your craft in a live AWS sandbox environment. Try any of our 100+ self-paced labs on your own, or reserve time with an AWS expert who can coach and guide you. Whether you're just starting out or honing your technical skills, learn by doing with labs.

More useful resources

Agenda

Browse the agenda for a high-level view of everything happening this year at re:Invent.

Browse the agenda

How to re:Invent

Everything you need to know about how to re:Invent. Insider tips, planning advice, and interviews with re:Invent experts. Stay tuned for more episodes on the road to re:Invent!

Watch now

Got questions?

Get all the information you need on topics such as health and safety, registration, accessibility, and much more.

FAQs

Reserved seating

Book your spot at your favorite sessions at re:Invent in Las Vegas.

RESERVED SEATING WALKTHROUGH

Navigate to the session catalog

After logging in to the attendee portal, select the side navigation and select **Event > Sessions**.

portal.awsevents.com/events/reInvent2021/dashboard/event/sessions

AWS Events

AWS re:Invent 2022   ✕

▼ Event
    My calendar
    Sessions
▶ Registration information
▶ Payment

Contact us

AWS Code of Conduct 🔗

AWS re:Invent 2022 > Event > Sessions

Sessions

| All sessions | My favorites | My reservations |

🔍 Search sessions by keyword

Showing 25 of 881 sessions

▼ **Cost**

☐ Paid sessions
☐ Free sessions

▼ **Days**

☐ Monday

☆ **15 years of AWS with J**
BOA201

Amazon S3 and Amazon EC2 are
this breakout session, have a chat
customers keep surprising us with
and shares lessons on how to bes

Session type: Breakout Session
Topics: BuildOn.AWS

RESERVED SEATING WALKTHROUGH

Using catalog filters

When viewing the session catalog, the left sidebar shows a variety of filters you can use while browsing. Filters include price, day of week, difficulty level, session type, topic, AWS service, and industry.

AWS re:Invent 2022 > Event > Sessions

Sessions

All sessions   My favorites   My reservations

🔍 Search sessions by keyword

Showing 25 of 881 sessions

▼ Cost

☐ Paid sessions
☐ Free sessions

▼ Days

☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday

▼ Session level

☐ 100 - Foundational
☐ 200 - Intermediate
☐ 300 - Advanced
☐ 400 - Expert

▼ Session type

⭐ 15 years of AWS with Jeff Barr

BOA201

Amazon S3 and Amazon EC2 are turning 15 this year, and this breakout session, have a chat with him about how AW customers keep surprising us with their amazing projects and shares lessons on how to best build on AWS. Last bu

Session type: Breakout Session
Topics: BuildOn.AWS
Session level: 200 - Intermediate
Job Role: Developers, Architect

⭐ 5 ways to stay on top of your cloud lear

BOA202-R1 Repeat

No matter what project you're building, as a developer, y learn, experiment, and build on AWS while keeping your to discover AWS and start working with its foundational optimize your learning experience in the cloud.

Session type: Chalk Talk
Topics: BuildOn.AWS

aws

RESERVED SEATING WALKTHROUGH

Using catalog search

At the top of the session catalog, there is a search bar where you can enter text to search the full catalog. The search box searches through all of the displayed text fields of a session, including session ID, title, abstract, and level.

AWS re:Invent 2022 > Event > Sessions

Sessions

All sessions   My favorites   My reservations

🔍 Search sessions by keyword

Showing 25 of 881 sessions

▼ **Cost**

☐ Paid sessions
☐ Free sessions

▼ **Days**

☐ Monday
☐ Tuesday
☐ Wednesday
☐ Thursday
☐ Friday

▼ **Session level**

☆ 15 years of AW

BOA201

Amazon S3 and Ama
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customers keep surp
and shares lessons o

Session type: Breakout
Topics: BuildOn.AWS
Session level: 200 - Int
Job Role: Developers, A

☆ 5 ways to stay

RESERVED SEATING WALKTHROUGH

Favoriting and un-favoriting a session

When viewing the session catalog, sessions shown in the results have star icons. Select the star to mark it as a favorite. To un-favorite it, simply select the star again.

ations

1. years of AWS with Jeff Barr

BC A201

Amazon S3 and Amazon EC2 are turning 15 this year, and Jeff Barr, VP
this breakout session, have a chat with him about how AWS was born,
customers keep surprising us with their amazing projects. Along the wa
and shares lessons on how to best build on AWS. Last but not least, go

Session type: Breakout Session
Topics: BuildOn.AWS
Session level: 200 - Intermediate
Job Role: Developers, Architect

RESERVED SEATING WALKTHROUGH

Reserving a session

For events with reserved seating, and seats available, the button on the session card will display **Reserve a seat**.

For sessions with a price, the button will say **Buy for . . .** (the price). Selecting the **Buy** button will open the purchase form where you can complete your transaction. Once the transaction is complete, that session will display on your reservations list.

A practical guide to building an industrial data lake on AWS

MFG301

Analyzing the massive quantities and types of data generated in an industrial setting can enable effective into production optimization opportunities. An industrial data lake is foundational to help manage and st insights for their factory digital transformation efforts. This chalk talk walks through the steps to building industrial customer.

Session type: Chalk Talk
Topics: Manufacturing
Session level: 300 - Advanced

Date
Time
Loca

Reserve a seat

AWS Cloud Technical Essentials (option 1)

TNC101-R2   Repeat

This bootcamp introduces you to essential AWS services and common solutions. The bootcamp covers fun security. It also explores concepts that increase your understanding of AWS services, so you can make mor apply highly available, fault-tolerant, scalable, and cost-effective cloud solutions.

Session type: Bootcamp
Topics: Training and Certification
Session level: 100 - Beginner

Date
Time
Loca

Buy for $1.00

Thank you

Any feedback/suggestions?
Please email us at reinventsalesupdates@amazon.com