AWS re:Invent

DECEMBER 2 – 6, 2024 | LAS VEGAS, NV

Attendee Guide for Resilience

Event overview

AWS re:Invent is the most comprehensive event of the year that AWS hosts. 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

Keynotes at AWS re:Invent set the tone for the entire week. They're where our most senior leaders and customers share new services, demos, technical deep dives, behind-the-scenes insights, and stories about how they have reinvented with AWS. .

Hear from AWS leaders and customers about what's top of mind for them, from innovations in infrastructure and AI/ML to the latest trends and breakthroughs in cloud computing. View the re:Invent website for the latest schedule and speaker information.

Learn more

Innovation talks

Innovation talks are where AWS experts weigh in on essential topics such as data for generative AI, cloud operations, network and content delivery, and migration and modernization. We'll be adding more innovation talks in the coming months, so keep checking this page as we get closer to AWS re:Invent.

Check the re:Invent website for a full list of innovation talks to add to your schedule.

Learn more

FINANCIAL SERVICES

Scott Mullins

General Manager, Financial Services, AWS

GENERATIVE AI FOR CUSTOMER SERVICE

Pasquale DeMaio

Vice President & General Manager of Amazon Connect, AWS

HEALTHCARE AND LIFE SCIENCES

Dan Sheeran

General Manager, Healthcare and Life Sciences, AWS

MEDIA & ENTERTAINMENT

Samira Bakhtiar

General Manager, Global Media and Entertainment, Games, and Sports, AWS

Session content

AWS re:Invent offers learning sessions in a variety of formats and levels so that you can expand your knowledge and grow your skills at a pace that is right for you.

With more than 2,000 sessions to choose from, catching up on the latest cloud technologies has never been easier. You'll find something for every learning style and skill level—whether you're listening to lectures in breakout sessions or attending interactive workshops. Find the content that interests you the most by browsing our session catalog.

Session catalog

Recommended sessions

Bookmark your favorite sessions on resilient architectures, application resilience, operational best practices for resilience, resilience testing, and disaster recovery

Resilient architectures

ARC335 | Learn to create a robust, easy-to-scale architecture with cells

BREAKOUT SESSION

Join this session to understand strategies to enhance system availability and maximize resource efficiency of your workloads. Learn from an AWS customer, Slack, a communications platform delivering billions of messages every week, on how they use AWS to optimize their cloud infrastructure to be resilient to fault boundaries. Gain insights into how cellular architecture on AWS was leveraged to mitigate risks in the face of potential Availability Zone and regional disruptions at scale.

Learn more

WPS308 | Is your AWS GovCloud (US) architecture resilient?

BUILDERS SESSION

When designing your AWS GovCloud (US) architectures, you follow best practices and known design patterns. However, in the event of an outage, is your mission-critical architecture going to hold up like you think? Find out with AWS Resilience Hub and AWS Fault Injection Service. In this builders' session, explore architectures that superficially appear well-architected and expose risks and deficiencies. Learn how to use AWS tools to uncover the components that will fail during an outage and discover how to rearchitect to fix these gaps. You must bring your laptop to participate.

Learn more

ARC323 | Best practices for creating multi-Region architectures on AWS

BREAKOUT SESSION

Architecting and building a multi-Region architecture comes with new challenges and best practices. In this session, we've distilled down three critical areas you'll need to consider. First, we'll explore ways to achieve a global data layer with consideration on trade-offs such as consistency and latency. Second, you'll learn about different failover strategies and the trade-offs between them. Lastly, we'll explore how to make the decision to initiate a cross-Region failover for recovery as well as what goes into the process. You'll leave this session better prepared to reason about these key challenges as it relates to your multi-Region application.

Learn more

ARC210 | Putting the Frugal Architect laws into practice

CHALK TALK

In this session you will learn how to apply the the laws of The Frugal Architect in practice and leverage AWS services, solutions and guidelines to empower architects to design and build with a frugal mindset without compromising resiliency and performance. We will cover real-world examples, success stories, practical approaches and architectural patterns which you can use to build scalable, resilient and cost effective applications and maximize business value from your investment in the cloud.

Learn more

Resilient architectures

ARC309 | Multi-Region or single Region? Considerations and architectures

CHALK TALK

With AWS, builders can create highly resilient workloads in the cloud. Learn how to reason about single-Region and multi-Region architectures. Watch experts walk through and whiteboard architectures that take advantage of AWS services that support multi-Region capabilities, and discuss what a failover scenario would look like in real life. Leave with an understanding of what it takes to run a multi-Region architecture on AWS.

Learn more

ARC310 | Resilience of AWS Cloud

CHALK TALK

In this chalk talk, discover how AWS builds an AWS Region, starting from a two-data-center environment and adding infrastructure until it becomes a complete Region. Learn about the resilience benefits this infrastructure provides. Learn how AWS services sit on top of the physical infrastructure and are designed to be resilient. Explore how our service teams operate the services and the mechanisms used to keep them running. Ask questions and get answers about the resilience of AWS infrastructure.

Learn more

ARC312 | Architecture patterns for cell-based architectures on AWS

CHALK TALK

In this chalk talk, learn how to build cell-based architectures on AWS to reduce the scope of failures. Hear insights into categories of failures that can be addressed and some of the limitations. In addition, explore architecture patterns and best practices to build cells on AWS for achieving resiliency goals.

Learn more

ARC313 | Balancing resilience, security, and cost in cloud architecture

CHALK TALK

As organizations develop cloud infrastructure, they must balance resilience, security, and cost optimization in their architectures. This talk explores the complex relationships between these priorities, providing a framework for informed decision-making. Participants learn resilience strategies like multi-Region deployments; security measures for identity, access, and data protection; and cost optimization techniques using cost-effective services and resource utilization. Using real-world case studies, assess your organization's needs and make strategic architectural decisions that align with business objectives. By navigating the tradeoffs between resilience, security, and cost, learn to design reliable, secure, and cost-effective cloud systems.

Learn more

Resilient architectures

ARC316 | SaaS meets testing: Validating multi-tenant scale, resilience, and operations

CHALK TALK

Multi-tenant SaaS environments must be able to efficiently react and respond to a diverse and shifting set of workloads. It's your job to implement scaling, onboarding, tiering, data partitioning, tenant isolation, and other multi-tenant strategies that can gracefully support these workloads. Building it is one thing. Knowing it works is another. In this session, examine a range of strategies to exercise and simulate your multi-tenant architecture, testing its ability to achieve the security, operational, scale, and resilience goals that you've targeted with your design. The goal is to validate architectural policies and assumption before they're released into the wild.

Learn more

HYB401 | AWS hybrid cloud and edge computing from the lens of VMware architects

CHALK TALK

This chalk talk explores the Amazon EC2 concepts of instance recoverability, placement groups, and auto scaling from the perspective of AWS Outposts and how VMware architects can draw parallels to VMware features like High Availability (HA), Distributed Resource Scheduler (DRS), Affinity Groups, and stretched clusters. The talk also covers how you can design resilient architectures between two Outposts in the same location using intra-VPC routing. Additionally, learn how you can leverage AWS Elastic Disaster Recovery to migrate on-premises workloads to AWS Outposts.

Learn more

COP353 | How to mitigate Zonal and Regional impairments

CHALK TALK

Building an application to recover from common failure modes aligned to AWS fault isolation boundaries can help you meet your availability goals. In this chalk talk, learn how you can use Amazon Application Recovery Controller to recover your applications from impairments within an AWS Availability Zone and an AWS Region. You leave with an understanding of how ARC works and with key takeaways to incorporate into your architecture.

Learn more

STG330 | Build resilient architectures in Region and on Edge with Amazon EBS

CHALK TALK

Among the components of a resilient system, storage is fundamental for any enterprise application. In this chalk talk, learn best practices for configuring Amazon EBS for resilience and high availability, including how to use observability metrics to gain granular visibility into the performance of your EBS volumes to proactively monitor volume health and improve application resiliency. Walk through how to use the Pause I/O action in AWS Fault Injection Service to simulate an unresponsive state of an Amazon EBS volume. Discover how Amazon EBS can help you meet even the most demanding service levels for mission-critical applications.

Learn more

Resilient architectures

COP316 | Resilience solutions for cohesive application protection

CODE TALK

AWS services often have their own resiliency solutions. However, applications can span multiple AWS resources and creating a unified runbook for addressing business continuity events can be daunting. In this code talk, discover several common architectures comprising multiple AWS services resources and learn the best ways to create cohesive and simple resiliency plans.

Learn more

COP308 | Building resilient architectures with observability

WORKSHOP

As cloud-based applications become increasingly complex and dynamic, ensuring resilience and reliability is a critical concern for organizations. In this workshop, explore how to use AWS services, including AWS Resilience Hub, Amazon CloudWatch, and AWS Fault Injection Service, to build resilient and reliable cloud-based applications. Learn how to implement observability strategies that enable proactive monitoring, rapid incident response, and continuous improvement. You must bring your laptop to participate.

Learn more

ARC402 | Scaling multi-tenant SaaS with a cell-based architecture

WORKSHOP

It can be difficult to strike a balance between complexity, efficiency, and flexibility. In this workshop, see how cell-based architectures provide you with new ways to group, deploy, scale, and operate your multi-tenant workloads. Take a close look at a working SaaS cell-based architecture, and implement provisioning, configuration, routing, and dynamic sharding of tenants. Also see how this approach influences the tiering, scaling, and resilience profile of your SaaS architecture. You must bring your laptop to participate.

Learn more

SUP401 | Building operational resilience in workloads using generative AI

WORKSHOP

Building operational resilience requires proactive identification and mitigation of risks. In this workshop, use AWS managed generative AI services in real-world scenarios to learn how to assess readiness, proactively improve your architecture, react quickly to events, troubleshoot issues, and implement effective observability practices. Also use AWS Countdown and the AWS Well-Architected Framework as the entry point reference frameworks to leverage generative AI services for operation. Through hands-on activities, learn strategies for debugging issues, detecting anomalies and incidents, and optimizing architectures to improve the resilience of your workloads. You must bring your laptop to participate.

Learn more

Operational best practices for resilience

ARC207 | The incident is over: Now what?

BREAKOUT SESSION

Good architecture helps minimize or avoid the impact of failures. Operational practice defines how to handle inevitable incidents and recover quickly. But what about the aftermath? How do you ensure that the true root cause has been tracked down and that effective preventive actions have been planned for implementation? How can you turn every incident into a learning opportunity? How do the shared responsibility model and third-party software vendors come into play? This session will share mental models and experiences around root cause analysis and correction of error (COE).

Learn more

ARC327 | Mastering Resilience at Every Layer of the cake

BREAKOUT SESSION

Most workloads on AWS resemble a finely crafted cake, with delight at every layer. In this session, master resilience at each layer of deliciousness: from platform to infrastructure and applications, using services like AWS Resilience Hub, AWS Fault Injection Service (FIS), Amazon Route53 ARC, Amazon Elastic Disaster Recovery (DRS), AWS Backup, and more. Leave with a mental model for how resilience works throughout these layers, with ready-to-use reference architectures and prescriptive guidance.

Learn more

ARC331 | Think Big, build small: When to scale, when to simplify

BREAKOUT SESSION

Creating a cloud architecture can be bewildering and intimidating. When do I need multiple zones or regions? Which services should I use or avoid? When should I scale vertically and when horizontally? How do I optimize for enduring business value and agility? In this session, hear insights and guidance developed from working with successful AWS customers. Discover how AWS thinks about different architectural tiers, fosters engineering toward simplicity and reliability, and focuses on infrastructure as an investment, with trade-offs and returns.

Learn more

ARC333 | Failing without flailing: Lessons we learned at AWS the hard way

BREAKOUT SESSION

At AWS, we've learned that building resilient services requires more than just designing for high availability. In this session AWS operational leaders are back for more insights on how to mitigate impact when, not if, the unexpected happens. Hear a few short stories collected from 18 years of operational excellence, with practical advice on preparing for and mitigating failure.

Learn more

Operational best practices for resilience

ARC403 | Try again: The tools and techniques behind resilient systems

BREAKOUT SESSION

Grand architectural theories are nice, but what makes systems resilient is in the details. Marc Brooker, VP and distinguished engineer, looks at some of the resiliency tools and techniques AWS uses in its systems. Marc rethinks, retries, breaks open circuit breakers, decodes erasure coding, and tackles the tail. Learn about formal methods and simulation, and how these tools help build faster code, faster.

Learn more

ARC317 | Operational excellence: Best practices for resilient systems

CHALK TALK

In this chalk talk, learn how operational practices such as logging, health checks, and safe deployment affect the resilience of well-architected applications. Explore use cases demonstrating potential implications of poor operational practices on system availability and analyze these use cases in line with well-architected principles. Learn about improvement strategies and best practices to enhance the resilience of your AWS architecture.

Learn more

COP350 | Create a resilience model using the Resilience Analysis Framework

CHALK TALK

By creating a resilience model, you can anticipate what can disrupt your systems, understand what controls are in place to detect and prevent disruption, and then develop an improvement plan to address any gaps. The resilience analysis framework (RAF) helps you to build resilient systems by anticipating failure modes, determining their impact on your systems, and identifying the mitigations that you can apply in case these failures happen. Join this chalk talk to help create a resilience model using RAF.

Learn more

aws

Resilience testing

ARC326 | Chaos engineering: A proactive approach to system resilience

BREAKOUT SESSION

Do you know if your system will behave as intended when exposed to underlying failures? In this session, explore how chaos engineering enables organizations to proactively identify system resilience weaknesses, improve operational excellence, and enhance incident response capabilities. Through real-world scenarios executed with the AWS Fault Injection Service (FIS), this session demonstrates the benefits of chaos engineering in action. Gain insights from BMW Group's transformative journey and how BMW Group conducts large-scale chaos experiments in production.

Learn more

SVS414 | Building resilient Amazon ECS applications with chaos engineering

CHALK TALK

Achieving true resilience for applications running on Amazon ECS requires actively testing and validating your system's ability to withstand failures and unexpected events. In this chalk talk, explore how you can leverage the principles of chaos engineering and tools like AWS Fault Injection Service to inject controlled failures into your Amazon ECS tasks and services.

Learn more

FSI318 | Fidelity Investments: Building for mission-critical resilience

BREAKOUT SESSION

Ensuring uninterrupted operations is critical to maintaining customer confidence and remaining compliant with regulatory requirements. This session explores the transformation of Fidelity Investments' trade processing platform on AWS and the critical role resiliency plays in preserving operational integrity. Discover Fidelity Investments' approach to building and validating a robust trade flow application with AWS Fault Injection Service, Amazon EC2, and Amazon EKS. Learn how Fidelity Investments practices chaos experiments using real-world scenarios and drives adoption of chaos engineering to 50% of all applications with its "chaos buffet," a suite of tools that helps simulate impacting events in non-production environments.

Learn more

Resilience testing

ARC305 | Gen AI resilience: Chaos engineering with AWS Fault Injection Service

WORKSHOP

There are multiple factors that impact the performance and reliability of generative AI applications. These include the choice of model, where the model is hosted, and the length and complexity of the inputs and outputs. Chaos engineering helps software teams understand the risks in their systems. This workshop applies chaos engineering practices to demonstrate potential performance and resilience risks in generative AI applications. Learn how to construct a useful hypothesis backlog for generative AI applications and how to use AWS Fault Injection Service to run those experiments. You must bring your laptop to participate.

Learn more

ARC322 | Chaos engineering workshop

WORKSHOP

This workshop introduces AWS Fault Injection Service (FIS) for running controlled resilience experiments to improve application performance, observability, and resilience. Use FIS to inject faults in a controlled and ad-hoc manner to better understand application behavior and improve resilience. Run experiments against a variety of services, including Amazon EKS, Amazon ECS, AWS Fargate, Amazon EC2, Amazon S3, Amazon RDS, and more. Also run the AZ Availability: Power Interruption experiment with applied zonal shift. All experiments are accompanied by CloudWatch, X-Ray, and RUM to provide the right insights during the experiments and maximum learnings! You must bring your laptop to participate.

Learn more

Application resilience

ARC334 | Building resilient applications on AWS with Capital One

BREAKOUT SESSION

Are you concerned about running mission-critical applications on AWS? Did you know that AWS hosts mission-critical applications for some of the largest and most-regulated businesses on earth? In this session, discover the patterns and principles of AWS resilience best practices. Then, hear Capital One showcase its next-generation design and deployment patterns that push the boundaries of resilient architectures and support its most critical business processes.

Learn more

COP332 | Designing generative AI workloads for resilience

BREAKOUT SESSION

Resilience plays a pivotal role in the development of any workload, and generative AI workloads are no different. There are unique considerations when engineering generative AI workloads through a resilience lens. Understanding and prioritizing resilience is crucial for generative AI workloads to meet organizational availability and business continuity requirements. In this session, learn about the different stacks of a generative AI workload and what those considerations should be.

Learn more

FSI312 | Replatforming for reinvention: Modernizing mainframes at Goldman Sachs

BREAKOUT SESSION

Goldman Sachs' asset management ledger, InvestOne, is the heart of their middle office and responsible for calculating and maintaining their investment portfolio positions. In this session, Goldman Sachs walks through how they migrated this mission-critical mainframe while overcoming challenges such as scale, cost, and technical debt. Gain insights into their COBOL development and deployment framework, as well as how they expedited the migration without compromising their commitment to their customers and business.

Learn more

STG301 | Data protection and resilience with AWS storage

BREAKOUT SESSION

Data continues to be one of the world's most valuable resources. Data protection and resilience are critical to business success, helping to keep workflows running and allow business recovery from data loss events such as unplanned outages, natural disasters, and ransomware. Join this session to dive deep on how AWS storage offers organizations defense-in-depth data protection and resilience for application data across recovery point and time objectives, helping to mitigate risks with immutable solutions, restore testing, policy-based access controls, encryption, and auditing and reporting.

Learn more

Application resilience

FSI328 | Make applications highly resilient with AWS Fault Injection Service

BUILDERS SESSION

Application resilience is critical to the highly regulated financial services industry, and AWS tools and best practices can help you meet required levels of resilience and reliability. During this gamified builders' session, compete with peers to evolve a simple, non-resilient banking application into a highly resilient architecture. This application uses technologies common in the financial services industry, including Java, containers, PostgreSQL, and Apache Kafka. Learn how to improve your application so that it can successfully pass the different tests AWS Fault Injection Service generates.

Learn more

COP341 | Application resilience drift: Strategies for detection and response

CHALK TALK

Join this chalk talk to learn practical strategies for identifying and addressing application resilience drift. Gain insights into detecting subtle shifts in resilience and implementing effective responses to ensure the stability and performance of your applications.

Learn more

PEX310 | Always on Always Available with AWS Resilience Lifecycle Framework

CHALK TALK

Customers expect an always-on, always-available experience. In this chalk talk, explore strategies to minimize downtime and enable customer-facing applications to withstand unexpected failures or to quickly recover from them. Discover practical guidance on using the resilience lifecycle framework to build resilient applications on AWS. Learn actionable techniques to architect robust, fault-tolerant applications that deliver exceptional reliability for your customers. This chalk talk is intended for AWS Partners.

Learn more

MFG310 | Deploying an MES in the cloud or at the edge on AWS Outposts

CHALK TALK

Manufacturers today are looking at how the cloud can provide flexibility and resilience, as well as reduce cost for their production critical systems. Manufacturing execution system (MES) can be deployed in the cloud or for manufacturers who need low latency or have limited bandwidth on AWS Outpost running at the edge. In this chalk talk, deep dive into the architectural patterns for deploying a MES system on AWS Regions and on an Outpost, including network topology and connectivity.

Learn more

Application resilience

PEX108 | How to accelerate migration and modernization through resilience

LIGHTNING TALK

In this lightning talk, hear about how intentionally integrating resilience into the migration process before, during, and after the cloud migration will drive revenue and customer success. By taking advantage of validated AWS Partner Solutions and AWS purpose-built resilience services, our users realize the benefits of the cloud's flexibility, scalability, and cost-efficiency while being safe in the knowledge that their applications are designed and operated in a secure, resilient manner and with improved recovery objectives in place.

Learn more

ARC303 | Building, operating, and testing resilient Multi-AZ applications

WORKSHOP

In this workshop, get hands-on experience building, operating, and testing a resilient Multi-AZ application. Use Amazon CloudWatch dashboards, insights rules, and composite alarms to observe the health of your application. Then, inject randomized faults using AWS Fault Injection Service to simulate a variety of Single-AZ impairments. Also, learn how to use AWS CodeDeploy to perform zonal deployments and experience deployment failures. Finally, use Amazon Application Recovery Controller zonal shift to recover.

Learn more

CMP312 | Spot the savings: Optimize deployments with Amazon EC2 Spot Instances

WORKSHOP

In this workshop, learn about the APIs and commands used to create Spot Instances. Create an Amazon EC2 launch template and use the template to launch Amazon EC2 Spot Instances with Amazon EC2 Auto Scaling groups, Amazon EC2 Spot Fleet, EC2 Fleet, and the EC2 RunInstances API. Discover how to use Spot features such as Spot placement scores and tools such as attribute-based instance selection and AWS Fault Injection Service to maximize your savings. You must bring your laptop to participate.

Learn more

STG313 | Best practices for deploying critical applications with Amazon EBS

WORKSHOP

In this workshop, explore the detailed process of deploying a high-performance application on Amazon EC2 and Amazon EBS for optimized availability, resiliency, and cost performance. Discover how to select the ideal Amazon EC2 instance types and Amazon EBS volume types for various workloads. Learn about on-demand storage flexibility and performance using Elastic Volumes. Build resilience and fault tolerance using AWS Fault Injection Service.

Learn more

Disaster recovery

COP319 | Backup and disaster recovery strategies for increased resilience

BREAKOUT SESSION

Learn strategies for using AWS services to use AWS elasticity to protect your server-based applications, whether they are on premises or in the cloud, from downtime and data loss. This session offers a deep dive into how AWS Elastic Disaster Recovery can help organizations achieve recovery point objectives of seconds and recovery time objectives of minutes. It also covers how Elastic Disaster Recovery helps organizations protect against, respond to, and recover from ransomware events while lowering total cost of ownership.

Learn more

NTA316 | Resilient by design: Building robust disaster recovery on AWS

CHALK TALK

In today's always-on business environment, having a reliable disaster recovery (DR) strategy is essential. In this chalk talk, explore how to use the power of AWS to build a robust, resilient DR architecture for your applications and data. Learn proven techniques for implementing multi-Region failover, automating failover and failback processes, and ensuring seamless business continuity. Discover how to use AWS services like AWS Elastic Disaster Recovery to create a comprehensive, cost-effective DR solution.

Learn more

ARC314 | Be Prepared: Learning from incident response

CHALK TALK

Everyone needs a plan for when the worst happens. It's not if things happen but when things happen. In this session, learn how AWS monitors, detects, and manages incidents. Find out what and how the tools AWS has at hand can help you learn and grow from each event and help make sure that responses are constantly improved. With this session get visibility into the operational excellence of real-world scenarios that not just affect an organization's bottom line, but its reputation.

Learn more

Disaster recovery

ARC304 | Disaster recovery on AWS

WORKSHOP

In this workshop, get hands-on experience implementing different AWS disaster recovery strategies while building a Unishop application. Each module throughout the workshop highlights the AWS strategies and services that have features that make it easy to implement a disaster recovery plan. You must bring your laptop to participate.

Learn more

COP201 | Rolling with resilience: An AWS tabletop adventure

WORKSHOP

Improving resilience is a continuous process that should be incorporated into how you build and operate applications, and AWS offers a robust arsenal of tools and services to help. In this immersive workshop, embark on a journey through a series of simulated crises, where you'll assume the roles of various incident response personas. Situations and results change with the roll of the dice. As the story unfolds, discover how AWS services like AWS Resilience Hub, AWS Elastic Disaster Recovery, AWS Fault Injection Service, and more can empower you to bolster your organization's bulwarks against potential disruptions.

Learn more

ARC401 | Advanced cross-Region DR patterns on AWS

WORKSHOP

Join this hands-on workshop to explore a resilient, cloud-native architecture that surpasses the stringent availability and recovery regulations for financial markets utility providers. This highly available design uses Amazon ECS, Java Spring Boot, Amazon MQ, Amazon Kinesis, Amazon DynamoDB, Amazon Aurora, Amazon Application Recovery Controller, and AWS Systems Manager. Delve into key design decisions, including cross-Region data stores, messaging, and cross-Region state replication. You must bring your laptop to participate.

Learn more

Session types

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.

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.


BUILDERS' SESSIONS

These are 60-minute small group sessions with up to ten 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.

CODE TALKS

Code Talks feature live coding and/or code samples. These 60-minute sessions focus on the actual code involved in building a solution. You'll learn the "why" behind the solution and see it come to life—complete with the inevitable errors. Your questions are welcome and encouraged.
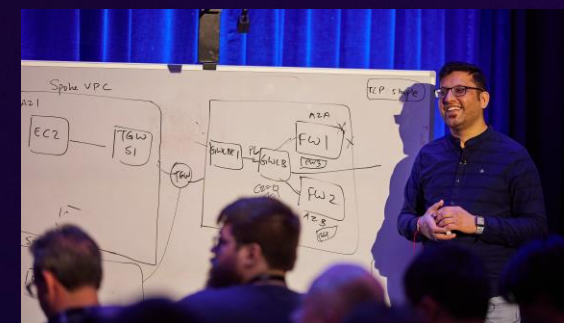
CHALK TALKS

Chalk talks are highly interactive whiteboarding sessions with AWS experts. Expect a lively technical discussion, centered around real-world architecture challenges, with a small group of experts and peers. These sessions run for 60 minutes.

Gamified learning

Level up your AWS skills by joining our fun and interactive learning events where you can gain experience using AWS and AWS Partner solutions in real-world situations.

We're offering the following gamified learning opportunities at re:Invent: AWS GameDay, AWS Jam, and a joint AWS Challenge Lounge in the Expo, where you can win prizes and compete to the top of the leaderboard.

PeerTalk

Looking forward to networking with peers at re:Invent? Use PeerTalk to:

o   Browse recommended connections based on similar interests, then start one-on-one or group chats with them

o   Meet new connections or catch up in person by scheduling PeerTalk meetings at dedicated meeting spaces

o   Sign up for topics-based meetups designed to build your re:Invent community

PeerTalk launches a few weeks prior to re:Invent so there is plenty of time to connect with attendees and plan your schedules before and throughout the event.

Expo

Meet and trade ideas with AWS experts. Interact with the latest innovations. Connect with peers on the same cloud journey as you. All kinds of exciting activities await at the Expo, where knowledge and fun intersect.

The Expo, located at the Venetian, is packed with learning and networking opportunities. Stop by the AWS Village and dive deep into products, services, and solutions. Check out the latest innovations in Data, Security, Migration and Modernization, and generative AI. Hear from partners and AWS experts in one of the five Lightning Theaters and don't miss building your community in one of our AWS pavilions. And don't miss the latest projects in AWS' annual Builders Fair and race against the best drivers in AWS DeepRacer.

You'll find all of this and more in the Expo—for more information, visit the Expo webpage.

Learn more

AWS Training and Certification

While certification exams are not offered onsite at re:Invent, all re:Invent in-person registrants will receive a 50% discount for any AWS Certification exam (find your voucher code in the Attendee Portal after you register). Get certified before re:Invent to take advantage of exclusive onsite benefits, including complimentary AWS-certified SWAG and access to the AWS Certification Lounge. Find more information about AWS Certification at re:Invent here.

Don't have time to use your voucher before re:Invent? Use your time onsite to take a full day bootcamp (free for the first time at re:Invent this year!) or an Exam Prep study session.

Community

AWS re:Invent has become the place for the AWS Cloud community to meet each year and look to the future together. It's a time to celebrate achievements, reconnect with old friends, and make some new ones.

Whether this is your 13th re:Invent or you're just starting out, we can't wait to welcome you to our campus and our vibrant community. Check out the re:Invent website for the most up-to-date information on community activities and events at re:Invent 2024.

Sports Forum

Whether you choose to play on the field, the pitch, or the racetrack, the Sports Forum puts you at the center of the action. The Sports Forum will showcase AWS's strategic sports partnerships through immersive, technology-driven activations featuring organizations like Bundesliga, NFL, NHL, PGA TOUR, and F1.

Challenge your friends to head-to-head competition, play on a team, or compete against yourself.

Start your re:Invent experience at the Sunday Tailgate, where you can watch the scheduled NFL games, while enjoying a variety of snacks and beverages.

Come take part in the action Sunday – Thursday, 10 AM – 6PM at Caesars Forum.

re:Play

If you still have gas in the tank after a long week of learning, it's party time.

Year after year re:Invent brings the best talent around for the annual re:Play party. Check out what we have in store for 2024! The **re:Play All Stars** will return to kick off the musical performances, followed by Weezer, before our DJ Headliner closes out the party.

Can you guess who will take the stage as our main headliner this year? Join us on December 5th to find out. You don't want to miss out on this epic night!

If you need a break from the tunes, relax in our central courtyard or go the reverse route and skate the night away on the new roller skating rink, play with AI Pictionary, or compete in Giant Connect 4.

Learn more

Make a plan

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

💡 Pro tips

- Be sure to watch the leadership sessions that are most relevant to your areas of interest to get the most strategic updates.

- Check out breakout sessions to find AWS Partners and customers directly speaking about their real-world experiences of using AWS products and services.

- Think about topics that are currently mission critical to your team, and topics you're interested in learning more about.

- Make an extensive list of sessions to watch! Favorite lots of sessions so when reserved seating goes live, you have lots of options.

- Be sure to catch all the keynotes, since that's where you'll catch the biggest AWS launches.

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.

SELF-PACED LABS

Gain cloud experience in a live AWS lab environment and explore real-world scenarios in the AWS Management Console. You'll get step-by-step guidance as you apply your knowledge to tasks that cover machine learning, security, networking, and more.

Whether you're new to AWS or diving deeper with your technical skills, learn by doing with our 150+ self-paced AWS Builder Labs. And if you have any questions, you'll find AWS experts available to help.

Session catalog

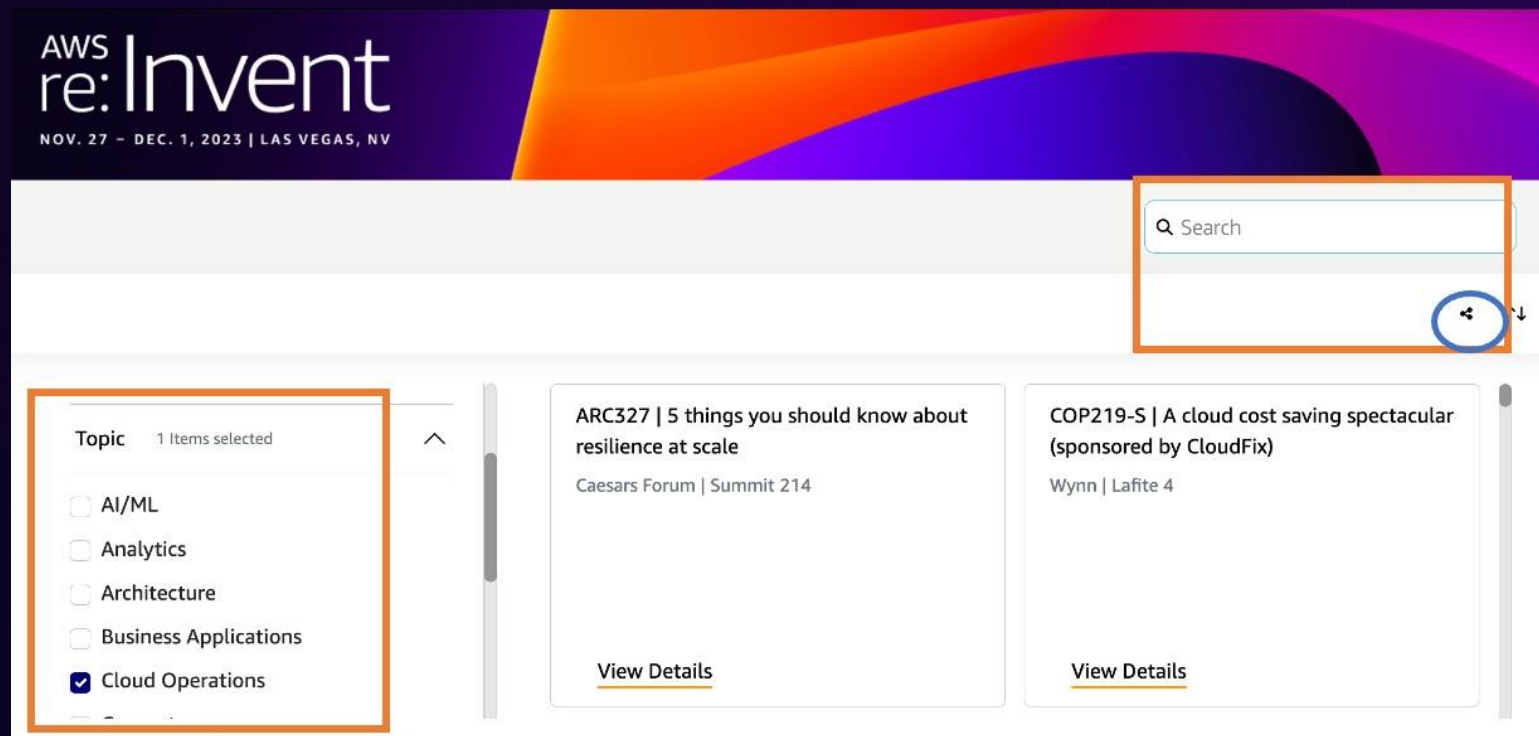Bookmark your favorite sessions at re:Invent in Las Vegas.

RE:INVENT SESSION CATALOG

Sharing content

To share direct links, to specific content, use the filters on the left or the free-text search. Once the results are displayed, select the share button in the top right corner.

External catalog features

Topics

AI/ML
Analytics
Architecture
Business Applications
Cloud Operations
Compute
Customer Enablement
Databases
DevOps and Developer Productivity
End-User Computing
Enterprise & Migration
Hybrid Cloud
Internet of Things
Kubernetes
Networking & Content Delivery
New to AWS
Partner Enablement
Security, Compliance, & Identity
Serverless Compute
Storage
Training & Certification

Areas of Interest

Application Integration
Application Security
AWS Community
AWS Marketplace
Blockchain
BuildOn.AWS
Business Intelligence
Cost Optimization
Customer Stories
Data Protection
DeepRacer
Digital Native Business (DNB)
Disaster Response & Recovery
Edge Computing
Front-End Web & Mobile
Generative AI
Global Infrastructure
Inclusion & Diversity
Independent Software Vendor (ISV)
Innovation on AWS
Management & Governance

Microsoft
Migration & Transfer
Monitoring & Observability
Network & Infrastructure Security
Non-English
Open Source
Oracle
Quantum Technologies
Resilience
Responsible AI
Robotics
SaaS
SAP
Small and Midsize Business (SMB)
Social Impact
Strategy & Transformation
Sustainability
Threat Detection & Incident Response
VMware
Well-Architected Framework

Industry

Cross Industry
Advertising & Marketing
Aerospace & Satellite
Agriculture
Automotive
Consumer Packaged Goods
Education
Energy
Financial Services
Games
Government
Healthcare
Life Sciences
Manufacturing & Industrial
Media & Entertainment
Mining & Minerals
Nonprofit
Retail
Sports
Telecommunications
Travel & Hospitality

Useful resources

Stay up to date with the app and keep your checklist squared away to stay prepared.

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

aws

EVENTS

Download on the App Store

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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 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

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

Thank you!

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