re: Invent

NOV. 29 - DEC. 3, 2021 | LAS VEGAS, NV

AWS for Healthcare & Life Sciences

Attendee Guide 2021

Welcome!

On behalf of the AWS for Health Team, we are excited for you to join us for re:Invent 2021!

This year the Healthcare & Life Sciences industry track and related service tracks will offer >20 mainstage breakout sessions featuring leading health organizations, as well as >23 chalk talks, builders' sessions, and hands-on workshops.

Connect with AWS Health experts and other attendees in our AWS for Health lounge space (Wynn) for informal discussions and networking.

Be sure to take advantage of the resources outlined in this document. We've curated them to offer you advice on how to plan a successful agenda.

The full schedule, including dates, times, and locations, goes live in early November. In the meantime, use this document to start thinking about how you'll plan your event. We look forward to seeing you there!

Dr. Vidya Raman-TangellaWorldwide Director, Healthcare,
Life Sciences & Genomics



Healthcare breakout sessions



Learn how leading industry customers are using AWS services and solutions to improve patient care, address health data interoperability, and innovate in digital health.

HLC308

Accelerate pediatric research with ML and healthcare interoperability

Hear how the Children's Hospital of Philadelphia (CHOP) is using AWS technology to provide the research community access to over 1.5 petabytes of genomic and associated clinical data. Discover how they use AWS machine learning (ML) technology to generate insights for children across a wide spectrum of diseases.

Featured speaker—Alison Heath, Director of Data & Technology, CHOP

HLC202

How Anthem reinvented EHR sharing to deliver better health outcomes

Anthem built HealthOS on AWS to take the challenge of securely sharing Electronic Health Records (EHRs) head-on. In this session, explore how Anthem leveraged Amazon EKS to containerize HealthOS so the platform can scale and evolve over time to improve its member experience and drive better health outcomes.

Featured speaker—Tawfiq Bajjali, VP Software Engineering, Anthem



HLC210

Revolutionizing colorectal cancer with detection innovation at Medtronic

Hear how Medtronic, a leader in healthcare technology, is harnessing the unprecedented potential of artificial intelligence and key AWS services such as Amazon SageMaker, Amazon EKS, AWS Lambda, Amazon DynamoDB, Amazon Connect, and Amazon RDS to engineer a better future for colorectal cancer detection and prevention

Featuring Medtronic

HLC201-S

How cloud facilitates digital transformation at Baptist Health

PLAY

learn how Baptist Health South Florida identified opportunities to become more agile, improve patient engagement, reduce technical debt, and improve security—all through the power of the cloud by collaborating with Capgemini and AWS.

Featuring Baptist Health Session sponsored by Capgemini



PLAY

ENT314

Pattern-based migrations to AWS

Featuring Philips

WPS201

Innovating digital health equity

Featuring UC Davis Health

STP212

Improving the human experience in healthcare with Olive

Featuring Olive

AIM201

Make sense of your health data with Amazon HealthLake

Featuring Anthem

DAT306

Migrate your SQL Server database to Amazon RDS

Featuring Dedalus

SEC220-S

Don't pay the ransom: Protect, govern, and recover your data

Sponsored by Cohesity



PLAY

AIM203

Turn your documents into insights with AWS machine learning services

Featuring Broadridge

MKT201

Use AWS Data Exchange to streamline data processing and analytics

Featuring Goldman Sachs



Life Sciences breakout sessions



Learn how leading industry customers are using AWS services and solutions to accelerate research and discovery and improve digital health platforms.

LFS305

Delivering lifechanging medicines at AstraZeneca with data and AI

Learn how AstraZeneca is driving insights at scale and putting the power of artificial intelligence (AI) in the hands of employees by enabling self-service capabilities on AWS, helping them deliver life-changing medicines. Discover how AstraZeneca has implemented an AI-driven drug discovery platform to increase quality and reduce the time it takes to discover a potential drug candidate.

Featured speaker—Anna Åsberg, VP R&D IT, AstraZeneca

LFS306

How Baxter has innovated digital health connectivity with AWS

Learn how Baxter Healthcare navigated an enterprise-wide digital transformation on AWS to modernize their business and enable innovative solutions for patients. These initiatives enabled Baxter to advance strategic priorities in digital health, customer experience, and supply chain modernization, while also achieving significant savings.

Featured speaker—Mike Butler, Sr. Director Commercial IT, Baxter



ENT316

Transforming your technical landscape

Featuring Merck

ANT210-S

Bold plans, big results: Johnson & Johnson's data warehouse migration

Featuring Johnson & Johnson Sponsored by Teradata

MKT202

Transformation, modernization, and governance with AWS Marketplace

Featuring Gilead

SEC302-S

Securing your company's next big bang

Featuring Resilience Sponsored by Datadog **STG302**

Deep dive on Amazon FSx for Lustre

Featuring Foundation Medicine

ENT208

Inside Johnson & Johnson's cloud transformation

Featuring Johnson & Johnson



ENT314

Pattern-based migrations to AWS

Featuring Philips



Interactive sessions

Chalk talks
Builders' sessions
Workshops



Chalk talks

Healthcare & life sciences

Chalk talks are a highly interactive content format with a smaller audience. They begin with a 10–15-minute lecture delivered by an AWS expert, followed by a 45–50-minute Q&A session with the audience. The goal is to foster a technical discussion around real-world architecture challenges. Chalk talks are presented by AWS experts and have expert-level content.

LFS301

GxP on AWS: Tips for becoming regulated cloud-native

HLC301

Predicting patient outcomes with AWS machine learning

HLC304

See the bigger picture with machine learning for multimodal data

HLC306

Healthcare data center migration: Best practices and approaches

LFS303

MELLODDY: Federated machine learning for drug discovery on AWS

HLC303

A guide to expediting EHR migration

HLC305

Powering virtual patient care and communications with AWS

WPS208

Delivering citizen insights in real time with Amazon Connect



Workshops

Healthcare & life sciences

Workshops are **two-hour**, hands-on sessions where you work in teams to solve problems using AWS. Workshops organize attendees into small groups and provide scenarios to encourage interaction, giving you the opportunity to learn from and teach each other. Each workshop starts with a 10–15-minute lecture by the main speaker, and the rest of the time is spent working as a group. Come prepared with your **laptop** and willingness to learn! AWS will provide credits.

LFS304

Accelerate science by unifying data silos across the enterprise

In this workshop, learn how to build an effective data fabric/enterprise data platform on AWS that can be used to make data discoverable, secure, and interoperable. Free your data from silos and minimize unnecessary data movement.

HLC307

Using Fast Healthcare Interoperability Resources (FHIR) on AWS

This workshop explores how to make effective use of both FHIR Works on AWS and Amazon HealthLake to solve the interoperability challenges faced by all healthcare organizations.



Builders' sessions

Healthcare & life sciences

Builders' sessions are **60-minute** small groups sessions with AWS experts who are there to help, answer questions, and provide guidance. You will use your laptop to experiment and build with the AWS expert after a short demonstration. There is **reserved** seating for builders' sessions.

LFS302

Smarter pharmacovigilance with AWS machine learning

Mining social media data provides valuable, rich data points for pharmacovigilance programs. Learn how organizations are building, training, and deploying an adverse drug reaction (ADR) natural language processing (NLP) classification model to strengthen post-marketing surveillance.

HLC302

Building a HIPAA-eligible virtual care solution on AWS

AWS technology enables healthcare organizations to connect with their patients where they are and when they need help, mixing virtual visits with in-person care. Learn how to create a HIPAA-eligible virtual care solution by combining Amazon Lex, Amazon Polly, Amazon Connect, and others.



Other recommendations



Healthcare & Life Sciences Networking Lounge

Connect with AWS Health **experts** and other attendees in our dedicated lounge space for informal discussions and networking. Learn about how AWS and AWS Partners collaborate with industry **leaders** to deliver on the personalization of health.

Location: Wynn – Level 1

AWS for Health Lounge will showcase how AWS collaborates with industry leaders, including:









Insight. Innovation. Transformation.









PHILIPS









Keynotes





Adam Selipsky Keynote

Adam Selipsky is the CEO of Amazon Web Services (AWS), the world's most comprehensive and broadly adopted cloud platform. Having previously led AWS Marketing, Sales, and Support for 11 years, from 2005–2016, Selipsky helped launch and grow AWS from a startup into a multi-billion dollar business. Prior to rejoining AWS in 2021, Selipsky was most recently President and CEO of Tableau Software. He led Tableau through its acquisition by Salesforce, in what was the third-largest software industry acquisition at the time. Selipsky has also held various leadership roles at RealNetworks, and before that, was a Principal at strategy consulting firm Mercer Management Consulting. He has an AB in government from Harvard University and an MBA from Harvard Business School.





Dr. Werner Vogels Keynote

Dr. Werner Vogels is Chief Technology Officer at Amazon.com, where he is responsible for driving the company's customer-centric technology vision. As one of the forces behind Amazon's approach to cloud computing, he is passionate about helping young businesses reach global scale and transforming enterprises into fastmoving digital organizations. Vogels joined Amazon in 2004 from Cornell University, where he was a distributed systems researcher.



Peter DeSantis Keynote

Peter DeSantis is the Senior Vice President of AWS Global Infrastructure and Customer Support. In this role, he leads the AWS teams responsible for designing the data centers, servers, and network that underpin our AWS services and for deploying and operating this infrastructure worldwide as well as for the customer-facing organizations providing support for our AWS products.

Live stream sponsored by:





Machine Learning Keynote

Swami Siyasubramanian is Vice President at AWS in charge of all Amazon AI and machine learning services. His team's mission is "to put machine learning capabilities in the hands of every developer and data scientist." Swami and the AWS AI and ML organization work on all aspects of machine learning, from ML frameworks (TensorFlow, Apache MXNet, and PyTorch) and infrastructure, to Amazon SageMaker (an end-to-end service for building, training, and deploying ML models in the cloud and at the edge), and finally AI services that make it easier for app developers to incorporate ML into their apps with no ML experience required.



Global Partner Summit Keynote

Join us for the Global Partner Summit keynote, presented by Doug Yeum, Head of AWS Partner Organization, Sandy Carter, Vice President, Worldwide Public Sector Partners and Programs, and Stephen Orban, General Manager of AWS Marketplace and Control Services. You'll learn about cloud-powered innovation and the opportunity it creates for AWS Partners, as well as how AWS Partners use the AWS Cloud to build innovative solutions and services, differentiate their businesses, and enable customers in virtually every industry to transform their businesses.

Live stream sponsored by:







PLAY

Leadership sessions*



All Builders Welcome

LaDavia Drane

Director, Inclusion, Diversity & Equity



AWS Executive Panel

Francessca Vasquez

Vice President, Technology



AWS Marketplace

Stephen Orban

General Manager, AWS Marketplace



AWS Public Sector

Max Peterson

Vice President, Worldwide Public Sector



AWS Public Sector Partners

Sandy Carter

Vice President, Worldwide Public Sector Partners and Programs



AWS Storage

Mai-Lan Tomsen-Bukovec

Vice President, Worldwide Public Sector Partners and Programs



AI/ML

Bratin Saha

Vice President, Machine Learning



Analytics

Rahul Pathak

Vice President, Analytics



Architecture

Brian Taptich

Vice President, AWS Worldwide Specialist Organization



Business Applications

Peter Hill

Vice President, Business Applications



Cloud Operations

Bill Vass

Vice President, Engineering – Storage, Automation, Streaming & Management



Compute

David Brown

Vice President, Amazon EC2



Containers

Deepak Singh

Vice President, Compute Services



Databases

Jeff Carter

Vice President, Relational Databases



Developer

Ken Exner

Director, AWS Developer Tools

Live stream sponsored by:





Edge

Bill Vass

Vice President, Engineering – Storage, Automation, Streaming & Management



Enterprise and Migration

Todd Weatherby

Vice President, Professional Services



IoT

Michael MacKenzie General Manager, AWS IoT



Networking & Content Delivery

David Brown

Vice President, Amazon EC2



Security, Compliance, and Identity

Stephen Schmidt

Vice President and Chief Information Security Officer

Live stream sponsored by:





Serverless

David Richardson

Vice President, Serverless



Training & Certification

Maureen Lonergan

Director of AWS Training and Certification

Learn



Choose the learning methods that work for you









Breakout sessions

Available from intermediate (200) through expert levels (400), so you can grow your skills, no matter where you are in your career. Select from any track, level, or available session type to tailor your re:Invent experience.

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 (10–15 minutes) delivered by an AWS expert, followed by a 45- or 50-minute Q&A session with the audience.

Builders' sessions

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



Choose the learning methods that work for you









Training and Certification

Learn directly from AWS experts and get practical experience with real-world cloud scenarios. Skill up fast with a bootcamp, show your expertise by earning an AWS Certification, and practice your craft with one of our labs.

AWS DeepRacer

Developers of all skill levels can compete in virtual races during re:Invent for a chance to win prizes and glory! Tune in to AWS DeepRacer TV throughout re:Invent to catch the championship action.

Jams and GameDays

Test your skills in implementing AWS solutions by solving real-world problems in a gamified, risk-free environment. Take part in collaborative and interactive learning exercises—and win prizes!

Expo

Learn from AWS experts and partners. The Expo at The Venetian will be host to AWS Village, AWS Partner Network, AWS Marketplace, Builders' Fair, Developer Lounge, a demo theater, Jam Lounge, Startup Central, and sponsor booths.



Play



PLAY

Play









Midnight Madness

Once again this year, we will be hosting an AWS-style pep rally to kick off the week and welcome our most dedicated fans. Midnight Madness provides a sneak peek into re:Invent, complete with the first product launch of re:Invent 2021.

Quirky

Experience Amazon's unique culture at one (or more!) of our Quirky events. Whether it's board games, bingo, or a sneak peek of one of your favorite Amazon TV shows, we've got something for everyone.

re:Play party

For our 10th annual re:Play party, we have an amazing lineup, featuring all the classic re:Play activities like dodgeball and office chair grand prix, and we have a very special musical headliner. Stay tuned for more information!

Restaurant receptions

Join the conversation at our vibrant restaurant receptions. Meet people from across the tech world and connect on topics of interest to you at a range of wonderful venues.



Reserved seating

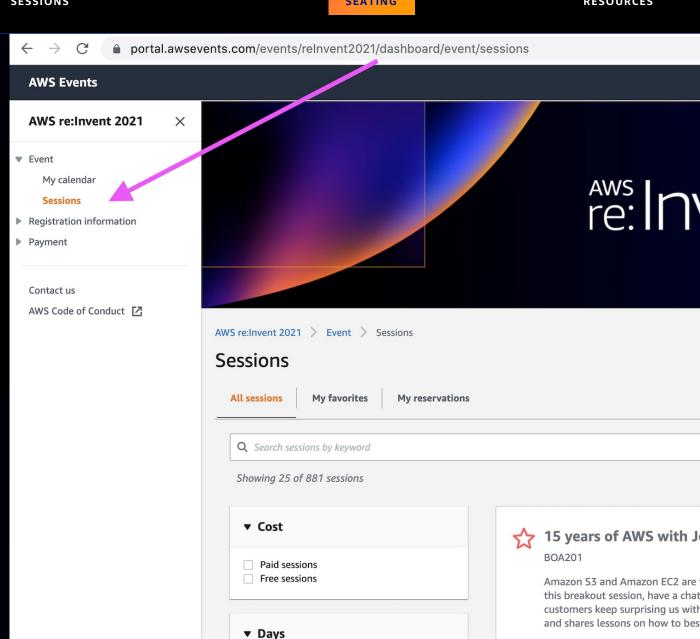


Session type: Breakout Session
Topics: BuildOn.AWS

RESERVED SEATING WALKTHROUGH

Navigate to the session catalog

After logging in to the event portal, click on the side nav and click "Sessions".



Monday



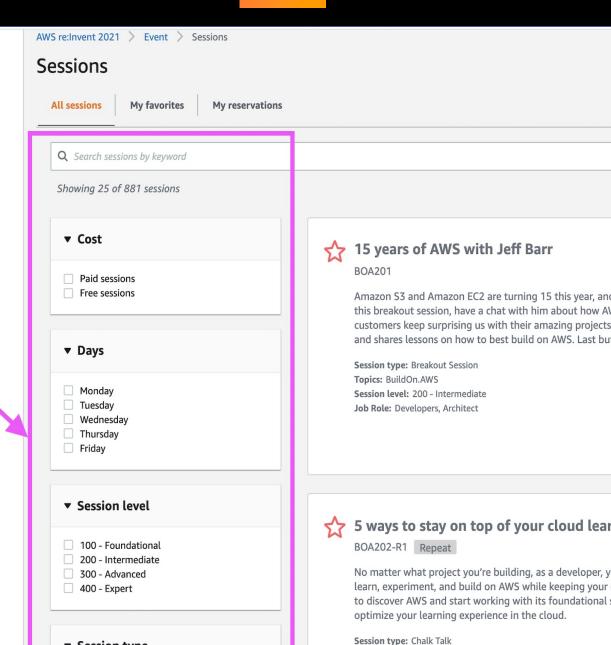
▼ Session type

Topics: BuildOn.AWS

RESERVED SEATING WALKTHROUGH

Using catalog filters

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

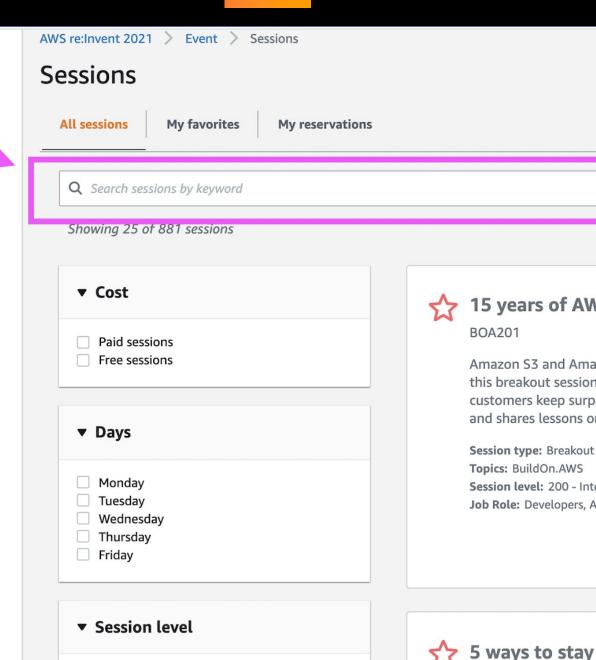




RESERVED SEATING WALKTHROUGH

Using catalog search

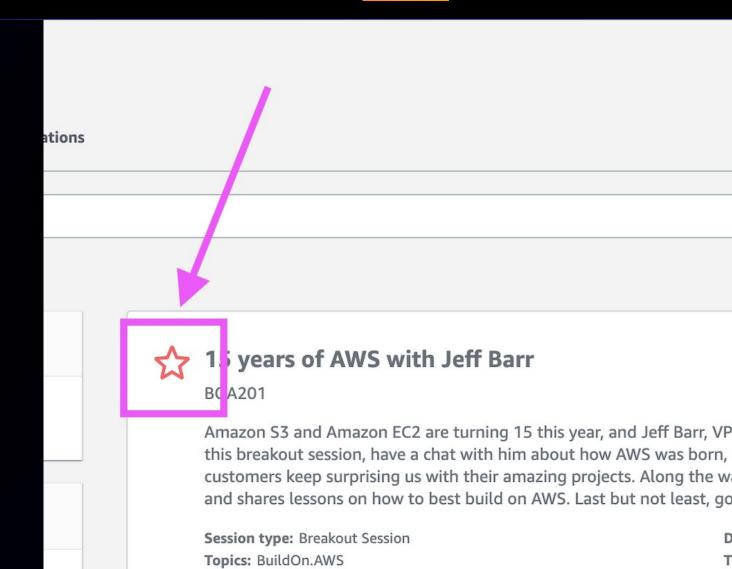
At the top of the session catalog, there is a search bar where you can enter freeform text to search the full catalog. The search box searches through all of the displayed text fields of a session, including session ID, title, abstract, and level.



RESERVED SEATING WALKTHROUGH

Favoriting and un-favoriting a session

When viewing the session catalog, any session shown in the results has a star icon on it. Clicking that star will mark it as a favorite. To un-favorite it, simply click the star again.



Session level: 200 - Intermediate **Job Role:** Developers, Architect



RESERVED SEATING WALKTHROUGH

Reserving a session

For events with reserved seating, when a session has available seats, the button on the session card will say "Reserve seat".

For sessions with a price greater than zero, the button will say "Buy for <pri>price>". Clicking purchase will open up the purchase form where you can complete your transaction. Once the transaction is complete, that session will show 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

Reserve a seat

Dat

Loca

Date

Loca



AWS Cloud Technical Essentials (option 1)

TNC101-R2 Repeat

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

Session type: Bootcamp

Topics: Training and Certification

Session level: 100 - Beginner

Buy for \$1.00



RESERVED SEATING WALKTHROUGH

Waitlisting a session

When a session has no seats available, because the capacity has already been met, then the button will say "Join waitlist". If you join a waitlist for a session, and a seat becomes available in that session, you may automatically be placed in that session and we will notify you via email.



15 years of AWS with Jeff Barr

BOA201

Amazon S3 and Amazon EC2 are turning 15 this year, and Jeff Barr, VP and Chief Evangelist at AWS, has born, how the developer experience has evolved over the years, and how customers keep surprising us community and shares lessons on how to best build on AWS. Last but not least, go back in time as Jeff

Session type: Breakout Session

Topics: None

Session level: 200 - Intermediate

Join waitlist



RESERVED SEATING WALKTHROUGH

Viewing your favorites, reservations, and waitlisted sessions

Along the top of the catalog page, there are 3 tabs: 1) All sessions, 2) My favorites, and 3) My reservations. Clicking on "My favorites" will show you a list of only sessions you have favorited. Clicking on "My reservations" will show you a list of items you have reserved or waitlisted.

AWS re:Invent 2021 > Event > Sessions

Sessions

All sessions

My favorites

My reservations

Q Search sessions by keyword

Showing 25 of 881 sessions





RESERVED SEATING WALKTHROUGH

Cancelling a reservation or waitlist

When viewing a session, in any tab, if you have reserved or waitlisted, you can cancel that action by simply clicking the button again. It will show a dropdown that says "Cancel reservation" or "Leave waitlist".



Automating content moderation to improve digital safety

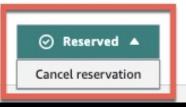
AIM307

The volume of user-generated content and third-party content has been exploding in social media, onli end users, companies need to find a way to review audio, image, video, and text content at scale for pot content. This chalk talk provides hands-on experience to implement a multimodal AI content moderation speech (Amazon Transcribe), and text (Amazon Comprehend).

Session type: Chalk Talk

Topics: Artificial Intelligence and Machine Learning

Session level: 300 - Advanced



BOA201

Amazon S3 and Amazon EC2 are turning 15 this year, and Jeff Barr, VP and Chief Evang born, how the developer experience has evolved over the years, and how customers kee community and shares lessons on how to best build on AWS. Last but not least, go back

Session type: Breakout Session

Topics: None

Session level: 200 - Intermediate

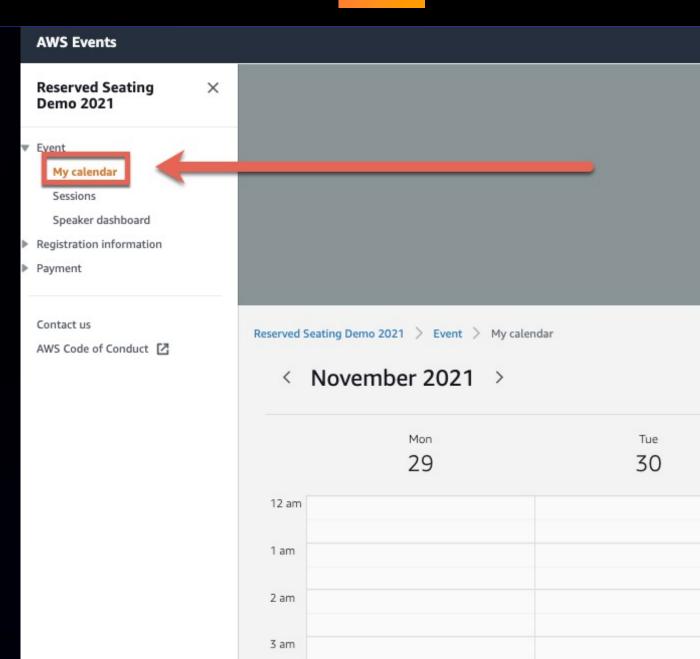




RESERVED SEATING WALKTHROUGH

Viewing your calendar

In the main navbar on the left of the session catalog, you will see a link that says "My calendar".

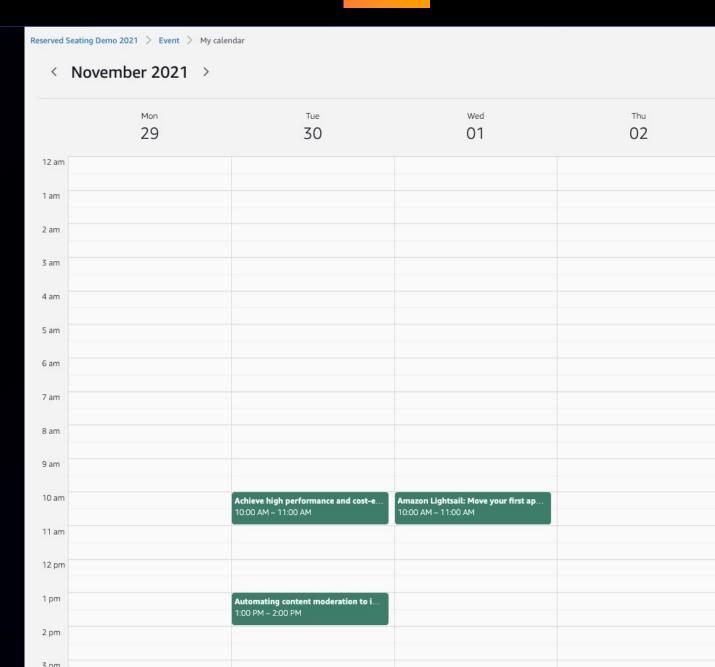




RESERVED SEATING WALKTHROUGH

Viewing your calendar

If you navigate to the calendar, you will see all of your favorites, reserved seats, and waitlisted seats on the corresponding days that those sessions are scheduled.

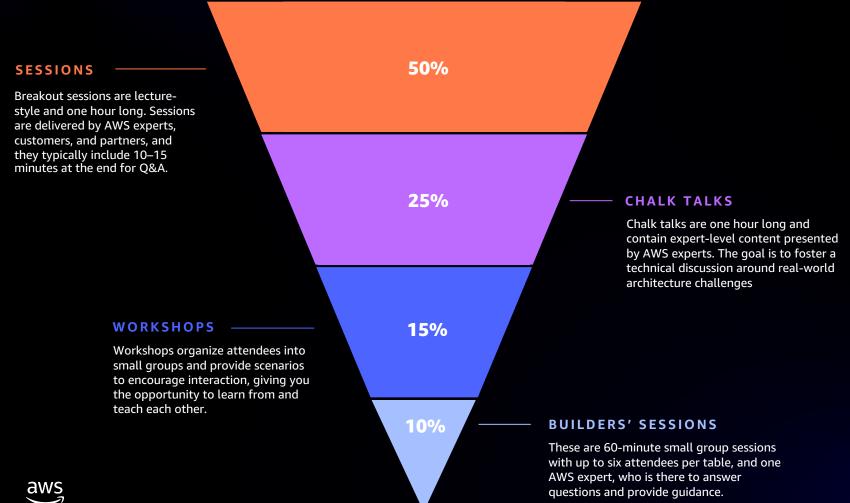




Make a plan



Building your agenda





Breakout sessions should make up the bulk of your plan. You can find customers directly speaking about their real-world experiences of using AWS products and services in sessions!

Building your agenda

PRO TIPS:

- Make sure to watch the leadership sessions that are most relevant to your areas of interest to get the most strategic updates.
- Be sure to not miss out on all the keynotes, as that's where you'll catch the biggest AWS launches.
- re:Invent always tries to feature many customers directly speaking about their real-world experiences of using AWS products and services. You'll find them in many breakout sessions, as well as keynotes.
- Think about topics that are currently mission critical to your team, and topics you're interested in learning more about.
- Breakout sessions will be available to watch virtually, even if you are registered for in-person re:Invent.
- Make an extensive list of sessions to watch! Favorite lots of sessions so when reserved seating goes live, you have lots of options.



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 be host to AWS Village, AWS Partner Network, AWS Marketplace, 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.



Your re:Invent checklist

- Register for re:Invent / Book your hotel / Book your travel reservations / Upload your badge photo
- ☐ If attending in person, review the <u>health measures</u> in place for this year's re:Invent
- Visit the <u>re:Invent website</u> to stay up to date on announcements
- Add all five <u>keynotes</u> 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 conquer the many hours of content **Pro Tip:** Don't forget to find time to reconvene with your team and debrief on everyone's learnings
- Check out the <u>Play</u> activities and add them to your agenda
- ☐ Watch all the <u>How to re:Invent</u> videos to prepare for the week
- ☐ Follow Amazon Web Services on Instagram, Facebook, LinkedIn, and Twitter



Useful resources



Useful resources

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!

How to re:Invent

Health measures

The health and safety of our customers, partners, and employees remains our top priority. Review our updated COVID-19 vaccination requirements for attending re:Invent in Las Vegas.

Health measures

FAQs

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

FAQs



Thank you!

