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-Tangella
Worldwide Director, Healthcare,
Life Sciences & Genomics
Healthcare breakout sessions
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
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

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
<table>
<thead>
<tr>
<th>Session Code</th>
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<td>ENT314</td>
<td>Pattern-based migrations to AWS</td>
<td>Featuring Philips</td>
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<td>WPS201</td>
<td>Innovating digital health equity</td>
<td>Featuring UC Davis Health</td>
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<td>STP212</td>
<td>Improving the human experience in healthcare with Olive</td>
<td>Featuring Olive</td>
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<td>AIM201</td>
<td>Make sense of your health data with Amazon HealthLake</td>
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<tr>
<td>DAT306</td>
<td>Migrate your SQL Server database to Amazon RDS</td>
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<tr>
<td>SEC220-S</td>
<td>Don’t pay the ransom: Protect, govern, and recover your data</td>
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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 life-changing 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

MKT202
Transformation, modernization, and governance with AWS Marketplace
Featuring Gilead

STG302
Deep dive on Amazon FSx for Lustre
Featuring Foundation Medicine

ANT210-S
Bold plans, big results: Johnson & Johnson’s data warehouse migration
Featuring Johnson & Johnson
Sponsored by Teradata

SEC302-S
Securing your company’s next big bang
Featuring Resilience
Sponsored by Datadog

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 group 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
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:

- Cerner
- GE
- MEDHOST
- Change Healthcare
- GRail
- Moderna
- Deloitte
- Houston Methodist
- Philips
- DNAnexus
- Illumina
- REDOX
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.
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:
stripe

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 fast-moving digital organizations. Vogels joined Amazon in 2004 from Cornell University, where he was a distributed systems researcher.

Machine Learning Keynote
Swami Sivasubramanian 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:
Leadership sessions
Leadership sessions*

LaDavia Drane
Director, Inclusion, Diversity & Equity

Francesca Vasquez
Vice President, Technology

*Sessions are subject to change
Leadership sessions*

Stephen Orban
General Manager, AWS Marketplace

Max Peterson
Vice President, Worldwide Public Sector

Sandy Carter
Vice President, Worldwide Public Sector Partners and Programs

Mai-Lan Tomsen-Bukovec
Vice President, Worldwide Public Sector Partners and Programs

Bratin Saha
Vice President, Machine Learning
Leadership sessions*

Rahul Pathak  
Vice President, Analytics

Brian Taptich  
Vice President, AWS Worldwide Specialist Organization

Peter Hill  
Vice President, Business Applications

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

David Brown  
Vice President, Amazon EC2

*Sessions are subject to change
Leadership sessions*

Containers
Deepak Singh
Vice President, Compute Services

Databases
Jeff Carter
Vice President, Relational Databases

Developer
Ken Exner
Director, AWS Developer Tools

Edge
Bill Vass
Vice President, Engineering – Storage, Automation, Streaming & Management

Enterprise and Migration
Todd Weatherby
Vice President, Professional Services

Live stream sponsored by:
snyk

*Sessions are subject to change
Leadership sessions*

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

Serverless

David Richardson
Vice President, Serverless

Training & Certification

Maureen Lonergan
Director of AWS Training and Certification

*Sessions are subject to change
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.
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.

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.

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!

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
Navigate to the session catalog

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

Showing 25 of 881 sessions
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.

### 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.
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.
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.
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 <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.
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.
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.
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

The volume of user-generated content and third-party content has been exploding in social media, online forums, and elsewhere. To ensure the safety of all end users, companies need to find a way to review audio, image, video, and text content at scale for potential violations. This chalk talk provides hands-on experience to implement a multimodal AI content moderation solution. This talk covers the use of 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 Evangelist, has been there since the beginning, how the developer experience has evolved over the years, and how customers keep the community and shares lessons on how to best build on AWS. Last but not least, go back to the basics.

Session type: Breakout Session
Topics: None
Session level: 200 - Intermediate
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.

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- **10 am**: Achieve high performance and cost-effective cloud architecture (9:30 AM - 11:00 AM)
- **11 am**: Amazon Lightsail: Move your first app to AWS (10:00 AM - 11:00 AM)
- **12 pm**: Automating content moderation to protect users (1:00 PM - 2:00 PM)
Make a plan
Breakout sessions are lecture-style and one hour long. Sessions are delivered by AWS experts, customers, and partners, and they typically include 10–15 minutes at the end for Q&A.

Chalk talks are one hour long and contain expert-level content presented by AWS experts. The goal is to foster a technical discussion around real-world architecture challenges.

Workshops organize attendees into small groups and provide scenarios to encourage interaction, giving you the opportunity to learn from and teach each other.

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.

PRO TIP:
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.
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 health measures in place for this year’s re:Invent
- 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 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 Play activities and add them to your agenda
- Watch all the How to re:Invent videos to prepare for the week
- Follow Amazon Web Services on Instagram, Facebook, LinkedIn, and Twitter
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!

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.

FAQs

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