



# Attendee Guide: Healthcare

# Welcome!

On behalf of AWS, we are excited for you to join us at the AWS Summit Washington, DC on June 7-8 at the Walter E. Washington Convention Center! This year's conference offers over 220 sessions to help you deepen your cloud knowledge and gain skills to design, deploy, and use the cloud for your mission.

Whether you are just getting started with the cloud or you are an advanced user, join us to network with technologists, AWS partners, and peers to get inspired and build.

[REGISTER NOW](#)



# Event overview

AWS Summits are comprehensive cloud technology events hosted by AWS. They are free opportunities to learn about AWS, network with peers, and sharpen your skills. Our vibrant, inspiring cloud community can't wait to meet you.

## What to expect

Discover how public sector customers are adapting to change and challenges and constructing innovative solutions in the cloud. Learn what it takes to drive culture change, digital transformation, and infrastructure modernization.

## Who should attend

All levels of cloud expertise are welcome. Whether you're just getting started or you're an experienced cloud user, you'll learn key concepts that can be applied right away in your organization.

[EVENT AGENDA](#)

# Agenda overview

Join the keynote, visit the Expo, and choose from over 220 breakout and interactive sessions. Come to connect, collaborate, and dive deep into cloud computing technology.

June 6	Early badge pick up: 12:00pm – 7:00pm ET
June 7	Registration & Expo open: 8:00am – 6:00pm ET Keynote: 11:00am – 12:15pm ET Sessions: 9:00am – 5:15pm ET Networking reception: 5:00pm – 6:00pm ET
June 8	Registration open: 8:00am – 5:00pm ET Expo open: 8:00am – 3:00pm ET Sessions: 8:00am – 5:00pm ET



# Keynote

Join Max Peterson, vice president of AWS worldwide public sector (WWPS), to learn how customers are using the power of AWS to accelerate their digital transformations and deliver mission-critical outcomes. Hear about how organizations are unlocking new opportunities with the cloud and discover the latest advancements that can help you move faster, increase security, and keep costs low. Featured customer speakers will share how they're leveraging AWS to get the agility and resilience needed to keep pushing boundaries and drive further innovation.



# Breakout content

Covering 40 different topics across 220 sessions, AWS Summit Washington, DC is your opportunity to catch up on the latest technologies in cloud computing. Choose the learning methods that work best for you, from interactive chalk talks to lecture-style breakouts.

Sessions are available from foundational (100) through expert (400) levels. You can grow your skills no matter where you are in your knowledge or career. Browse the session catalog for an in-depth view of everything offered.



[SESSION CATALOG](#)

# Session types



## BREAKOUT SESSIONS

60-minute lecture-style presentations covering a broad range of topics for various skill levels delivered by AWS experts, builders, customers, sponsors, and partners. Breakout sessions typically include a Q&A session at the end of the presentation.



## CUSTOMER LIGHTNING TALKS

30-minute presentations where attendees hear directly from AWS customers about their cloud journeys. Attendees can discover how customers are innovating, expediting, and scaling real-world solutions.



## CHALK TALKS

60-minute highly interactive experience intended to foster a technical discussion about real-world architecture challenges. Chalk talks begin with a short lecture delivered by an AWS expert, followed by whiteboarding and a Q&A session.



## WORKSHOPS

120-minute interactive sessions where attendees work in small groups to build a solution to a problem using AWS products and services. Each workshop starts with a short lecture by the speaker, and there are additional AWS experts in the room to make sure every group gets the assistance they need. Attendees must bring their laptops to participate.

# Session types



## BUILDERS' SESSIONS

60-minute interactive, small-group sessions led by an AWS expert who guides attendees as they learn how to build with a product or service on AWS. The session begins with a short explanation of the intended task, and then attendees experiment and build. Attendees must bring their laptops to participate.



## LABS

60-minute hands-on learning experiences designed to use the AWS Labs platform and lab experience products for self-paced digital training and instructor-led training.



## DEEPRACER WORKSHOPS

90-minute interactive sessions using AWS DeepRacer to learn the basics of reinforcement learning (an advanced machine learning technique). Attendees must bring their laptops to participate. Ready to put your device to the test? The fastest developer at DC Summit will earn the opportunity to advance to participate in the AWS DeepRacer League Championships at AWS re:Invent 2023.



## GAMEDAY

120-minute collaborative gamified learning sessions that test skills in implementing AWS solutions to solve real-world problems in a gamified, risk-free environment. This is a completely hands-on opportunity for technical professionals to explore AWS services, architecture patterns, best practices, and group cooperation under minimal guidance. Attendees must bring their laptops to participate.



# Session recommendations: Healthcare Industry Day

With over 40 topics and 220 sessions, it can be tough to decide what to attend. To help, we've curated recommendations specifically for Healthcare.

**Healthcare Industry Day, a half day dedicated to Healthcare topics, starts [June 8th at 8am in room 145A](#) with healthcare leaders and AWS technology experts discussing how healthcare providers are using purpose-built solutions to transform their patient and staff experiences. And rethink what's possible for your organization.**

Seating is limited and will be available on a first come, first served basis for the first 150 attendees.

# Session recommendations: Healthcare Industry Day

## SESSION ID: HLC101-IND

### Upskilling your entire healthcare organization for Success

Training and education for cloud adoption in healthcare is not just a technical need. Upskilling all stakeholders, including leaders, clinicians, researchers, and line-of-business employees through role-specific content drives success in technology and cloud adoption. In this session, panelists share their experience and viewpoints on providing the right content to everyone in an organization for optimal outcomes.

#### Speakers

Elizabeth Boudreau, Health Strategy and Education Lead, AWS  
Sarah Well, CEO, Dropstat  
Leslie (Les) Baker, Chief of Innovation and Technology, State of WA Dept. of Health

## SESSION ID: HLC102-IND

### Transform healthcare delivery through EHR modernization and insights

Healthcare resources are limited, but the demand for services continues to grow. Healthcare data silos can impact the quality of care and increase costs. Migrating your electronic health record (EHR) to the cloud can transform care through rapid innovation that can scale. Join this session to learn how you can unlock opportunities to accelerate innovation and enhance patient and provider experience.

#### Speakers

Adriana Pradel, AWS  
Tom Herzog, COO, Netsmart



**Date/Time/Location** June 8<sup>th</sup> / 8:20-8:50 am / Room: 145A

**Date/Time/Location** June 8<sup>th</sup> / 8:55-9:25 am / Room: 145A

\*Sessions subject to change

# Session recommendations: Healthcare Industry Day

## SESSION ID: HLC104-IND

### Elevating the Role of AI in Radiology with the Cloud

The field of radiology faces significant challenges due to the ever-increasing complexity and volume of data, immense economic pressure, and provider burnout. As patients and clinicians expect more convenience, access, and insights to make informed decisions, machine learning has emerged as an exciting capability for addressing these challenges. This session features leaders in the field of radiology from the Children's Hospital of Philadelphia and University of Maryland School of Medicine, who are using the cloud and machine learning to impact patient care and the provider experience.

#### Speakers

Ashwini Davison, MD, FACP, FAMIA  
Janet R. Reid, MD, FRCPC, MSED  
Eliot Siegel, MD, FACR, FSIIM

## SESSION ID: HLC103-IND

### Integrating genomic medicine into clinical practice

The Human Genome Project, completed in 2003, promised to usher in a new era of genomics in precision medicine. Genomics has been widely used in clinical research, but only in a limited form in clinical practice. The most common applications of genomics in clinical practice are tumor profiling in oncology to guide treatment decisions and in the diagnosis of rare pediatric disorders. In this session, learn about the challenges of integrating genomics into clinical practice and hear from some of the leading practitioners of genomic medicine as they discuss how to integrate genomics into routine clinical care

#### Speaker

Sujaya Srinivasan, Global Genomics Technical Leader, AWS  
Isaac Kohane, MD, PhD, Chair Dept. of Biomedical Informatics, Harvard Medical School

# Session recommendations: Healthcare Industry Day

## SESSION ID: HLC106-IND

### Rethinking population health analytics and intervention

Harnessing data is critical for advancing more equitable health outcomes. In this session, multi-sector leaders discuss how to accelerate population health innovation to enhance clinical and community prevention and care delivery. Topics include meaningful engagement in designing care innovation (such as the Internet of Medical Things or IoMT), addressing data bias and information gaps with ambient data, responsible use of AI/ML, and transforming the patient experience for vulnerable populations.

#### Speakers

Abdul Shaikh, PhD, MHSc, AWS

Leith States, CMO, OASH, HHS

Brad Wells, SVP, CareAllies, Cigna-HealthSpring

 [Date/Time/Location](#) June 8<sup>th</sup> / 10:55-11:25 am / Room: 145A

## SESSION ID: HLC105-IND

### How technology empowers sustainability in Healthcare

Healthcare organizations are increasingly looking to mitigate the environmental impact of their operations, as well as address ongoing challenges of data accessibility, efficiency and cost reduction. With 4.4% of global net emissions attributed to healthcare, how providers and payers can reduce the carbon footprint is top of mind. This session includes a fireside chat with the Deputy Assistant Secretary for the Western Hemisphere from the Department of Commerce, who is working across the countries of Central and South America through the RISE program, to address issue of sustainability and health equity. Case studies will be provided showing the positive impact of cloud on supply chain, facilities and clinical operations.

#### Speaker

Dr. Rowland Illing, Director and CMO, Int'l Public Sector Health, AWS  
Ian Saunders, Deputy Assistant Secretary for the Western Hemisphere International Trade Association, Department of Commerce

[Date/Time/Location](#) June 8<sup>th</sup> / 11:30-12:00 pm / Room: 145A

# Session recommendations: Healthcare topics

**SESSION ID: HLC201**

## Scaling and accelerating genomics innovations in the cloud

Genomics, or the study of an individual's genome and the DNA blueprint for life, is a key pillar of an individual's healthcare journey. For over a decade, AWS has matched the needs of the genomics industry with innovative technologies to provide scalable, secure, and cost-effective tools that accelerate genomic discoveries and their application to healthcare. In this session, learn about AWS for genomics and how AWS is facilitating cutting-edge innovation in genomics and precision medicine through purpose-built services, such as Amazon Omics, and our extensive partner network. operational costs.

### Speakers

Ankit Malhotra, WWPS Genomics Lead, AWS  
Dr. Michael Zager, Director, Fred Hutch - Data Core  
Dr. Ed Lein, Senior Investigator and Affiliate Professor, Allen Institute  
Dr. Daniel Hughes, Director of Bioinformatics and Asst Professor, Columbia Institute of Genomic Medicine

**Date/Time/Location** June 7<sup>th</sup> / 9:00-10:00 am / Room: 151AB



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**SESSION ID: OPS301**

## Amazon Omics for end-to-end genomics featuring open data

Take a hands-on tour of Amazon Omics and how to use it to build a complete end-to-end genomics data journey. Here you will combine open data, open source pipelines, and Amazon Omics. You will learn how to store and process petabytes of raw genomics data at scale with secondary analysis workflows, and query population scale variant datasets. Only a laptop and a connection to the internet are required to participate.

### Speakers

Sujaya Srinivasan, WW Genomics Technical Lead, Public Sector, AWS

**Date/Time/Location** June 8<sup>th</sup> / 1:30-3:30 pm / Room: 102AB

\*Sessions subject to change

# Session recommendations: Healthcare topics

## SESSION ID: GVC202

### Learn how the FDA transformed public health with AWS GovCloud (US)

The U.S. Food and Drug Administration's CTO, Sohail Chaudhry, embarked on a bold IT modernization journey to transform the nation's critical health systems. In this session, learn how he transformed large, complex, and integrated enterprise applications and migrated them to AWS GovCloud (US). Explore challenges and lessons learned from the FDA's smooth transition of enterprise applications with multiple databases to cloud. In addition, discover how the FDA's innovative approach broke conventional boundaries by running heterogeneous technologies including MLaaS and integrated them to increase application performance, enhance user experience, enable business continuity, and reduce operational costs.

#### Speakers

Sohail Chaudhry  
David Schatzman

## SESSION ID: AIM304

### Federated learning on AWS: ML without sharing sensitive data

A key challenge of working with real-world healthcare and life sciences (HCLS) patient data is the siloing of data across multiple hospital systems and research facilities. Regulations prohibit open data sharing, and the complexity and cost of centralized data repositories deter their use. AWS HCLS Competency Partners and HCLS customers seek privacy-preserving mechanisms for managing and analyzing distributed and sensitive data. In this chalk talk, explore a proposed federated learning framework built on AWS that would facilitate training a global machine learning model on distributed healthcare records. Learn about the effectiveness of the framework from the example of eICU, a critical-care database with over 200 contributing hospitals.

#### Speakers

Vidya Sagar Ravipati, Ujjwal Ratan

# Session recommendations: Healthcare topics

**SESSION ID: PRT105-S**

## Modernizing the customer experience: Build a next-gen contact center (sponsored by SoftwareOne)

Many organizations are making use of aging platforms that cannot deliver the capabilities customers expect. In this lightning talk, learn how Amazon Connect provides the foundation that organizations need to enhance customer experience with sentiment analysis, improved reporting, and simplified administration. Find out how your organization can modernize its contact center operations and deliver ongoing improvements with in-house expertise from the example of a state in the northwestern US that's building a next-generation contact center solution with the help of Amazon Connect and SoftwareOne. This presentation is brought to you by SoftwareOne, an AWS Partner.

### Speakers

Nick Richards

Darrell Williamson

**Date/Time/Location** June 8<sup>th</sup> / 2:30-3:30 pm / Room: 151AB

**SESSION ID: STG301-S**

## Stay resilient & secure when migrating applications to the AWS Cloud (sponsored by Veritas)

Virtually all public sector and healthcare organizations are either starting to embrace the cloud or are well on their way to enjoying the capabilities of the cloud. In this lightning talk, join Dr. Shafiq Rab and Rick Bryant as they discuss why and what it took to move Tufts Medicine's most important data and clinical applications to the AWS Cloud. Learn about the various internal hurdles, data security concerns, resiliency needs, and AWS capabilities involved in their migration journey. This presentation is brought to you by Veritas, an AWS Partner.

### Speakers

Rick Bryant

Dr. Shafiq Rab

**Date/Time/Location** June



# Session recommendations: Healthcare topics

**SESSION ID: SEC201-S**

## **Creating an identity federation broker for HHS using AWS GovCloud (sponsored by Deloitte)**

Creating secure government-to-citizen, government-to-business, and government-to-government interactions can be hard. To address this, the U.S. Department of Health and Human Services (HHS) needed a scalable identity federation broker to provide a unified digital identity experience. Utilizing AWS services such as Amazon EC2, ELB, AWS Lambda, and AWS Step Functions coupled with security monitoring tools, Deloitte built a compliant solution that offered standards-based integration for HHS mission platforms. The solution leverages trusted credential service providers (such as login.gov and ID.me) to allow for interoperability and optionality for end users. HHS was able to deploy this solution in AWS GovCloud with appropriate security controls to quickly obtain the needed authority to operate. This presentation is brought to you by Deloitte, an AWS Partner.

### **Speakers**

Adam McBride, Gaurav Mehta, Michael Hugney

**Date/Time/Location** June X<sup>th</sup> / 2:30-3:30 pm / Room:nnn



# AWS Summit Washington, DC: Healthcare Networking Reception

Thursday, June 8 2023 | 3:30PM - 6:30PM EDT

Morris American Bar, 1020 7th St NW, Washington, DC 20001

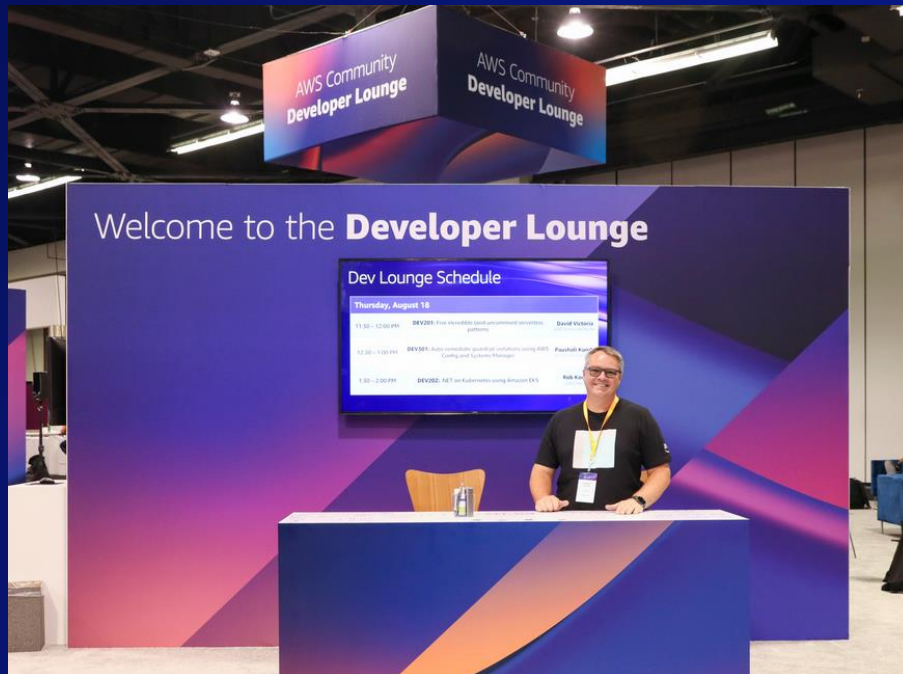
Complete your experience at the AWS Summit Washington, DC with a networking reception for healthcare organizations on June 8th at 3:30 PM, hosted by Amazon Web Services (AWS). All attendees must be registered for the AWS Summit Washington, DC and show their badge to enter the dinner.

This is an invite-only event and space is limited. Kindly confirm your attendance by registering no later than Friday, June 2, 2023.

[REGISTER HERE](#)

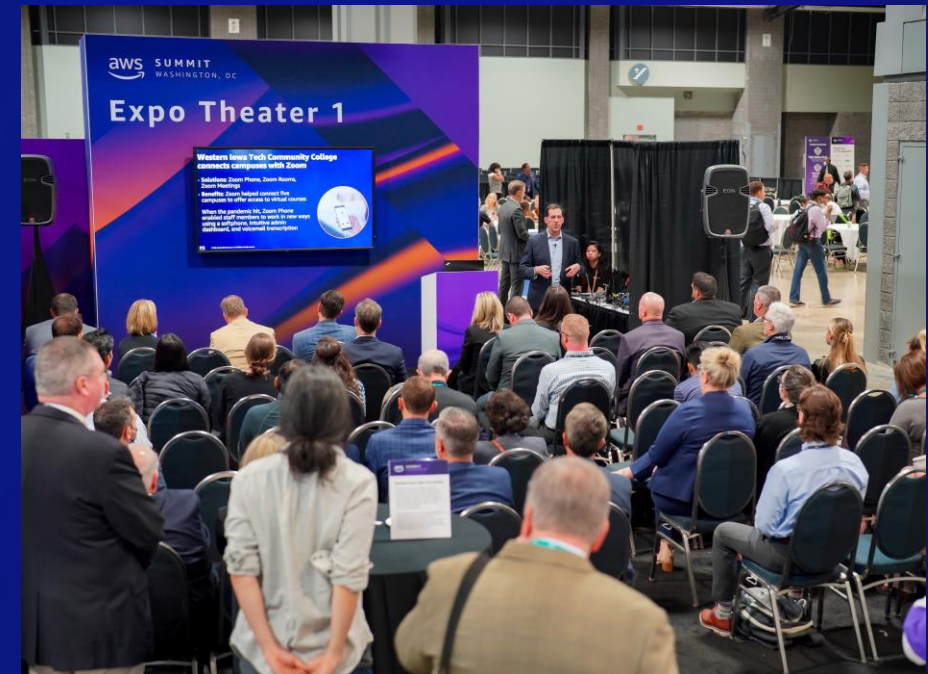


# Expo sessions



## DEV CHATS

30-minute community-led sessions where attendees hear directly from AWS customers and AWS Heroes about how they are innovating, expediting, and scaling real-world solutions.



## LIGHTNING TALKS

15-minute sponsor-led presentations that are dedicated to a specific customer story, service demonstration, or AWS Partner offering.

# Expo activities



## AWS VILLAGE

Visit the AWS Village to get your questions answered by AWS experts. Hear from staff at the various kiosks covering topics such as State and Local Government, AWS for Education, AWS for Healthcare and Life Sciences, National Security, AWS Sustainability, and much more. Collect a sticker at any of the kiosk locations within the AWS Village.



## AWS DEEPRACER

AWS DeepRacer is the fastest way to get rolling with machine learning (ML). Developers of all skill levels can get hands on with ML through a cloud based 3D racing simulator, fully autonomous 1/18th scale race car driven by reinforcement learning, and global racing league. Attend the DeepRacer workshop to learn more!



## AWS TRAINING AND CERTIFICATION HUB

Learn from AWS experts about how AWS Training and Certification can help you gain practical experience with real-world cloud scenarios, validate your cloud expertise, and much more.

# Expo activities



## AWS ON AIR

AWS On Air brings you the latest news, announcements, launches, and demos from AWS. Watch as we review the latest launches, provide live product demos, and talk to the AWS Training & Certification team, AWS Partners, and AWS customers.



## AWS HYBRID AND EDGE ZONE

AWS hybrid cloud and edge computing services bring cloud capabilities on premises and to the furthest edge to support workloads that require low latency, local data processing, or data residency. Check out AWS edge infrastructure up close and learn how you can empower global operations and tactical edge deployments with AWS to improve quality of service and mission outcomes.



## AWS DISASTER RESPONSE

AWS enables disaster response organizations to access AWS Cloud services and technology at the edge, even in the harshest conditions. Don't miss the AWS Disaster Response "rolling lab," a purpose-built Jeep 4xe Wrangler parked on the L Street Bridge. AWS customized this vehicle to power and integrate AWS Snow Family devices, networking, communications, and Internet of Things (IoT) gear into a rolling collaboration lab that supports humanitarian assistance and disaster response (HADR) uses cases.

# Next steps

## Register

Click below to register, then share the link with colleagues and invite them to join you at AWS Summit Washington, DC!

[REGISTER](#)

## Agenda

Browse the online catalog taking note of sessions that excite you.

[BROWSE AGENDA](#)

## Mobile App

Download the mobile app today! The session catalog will be available in the mobile app in mid-May.

[DOWNLOAD IOS APP](#)[DOWNLOAD ANDROID APP](#)

## Questions

Have additional questions? Check out the FAQs page.

[FAQs](#)

# Summits checklist

- ❑ Register for [AWS Summit Washington, DC](#)
- ❑ Book your hotel and travel reservations
- ❑ Visit the [Washington, DC Summit website](#) to stay up to date on announcements
- ❑ Download the mobile app and prepare to add your favorite sessions to your agenda
  - [Download iOS app](#)
  - [Download Android app](#)
- ❑ Familiarize yourself with sponsors in the Expo, along with the Expo map on the mobile app
- ❑ Follow Amazon Web Services on [Instagram](#), [Facebook](#), [LinkedIn](#), and [Twitter](#) and use #AWSSummit to stay connected

# Build your agenda

## Keynote



## Lecture-style sessions



## Interactive sessions



## Expo sessions



### Pro Tip

Arrive early for the Keynote, and then spend the remainder of the day learning through a variety of session types.



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# Thank you!

