

AWS
re:Invent

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

2022 Recap guide for Financial Services professionals

Thank you!

This year, re:Invent hosted a record number of sessions focused on the Financial Services industry, including more than 85 breakouts. This achievement would not have been possible without you! Whether you attended re:Invent in person or virtually, we want to thank you for investing your time with us.

AWS re:Invent is an event for learning and sharing, and our hope is that you had an exciting and informative week filled with learning opportunities! All week long, we heard inspiring stories from across Financial Services on how customers are using AWS to derive greater value from data, build more resilient applications, and run mission-critical systems. As you'll see in this guide, many of your peers are tackling the same challenges you are, and they are finding creative ways to solve them with AWS.

This guide provides easy access to sessions and notable announcements you may have missed during re:Invent. It also summarizes the new services announced that we believe are most relevant to the Financial Services industry.

Once again, thank you for spending your time with the AWS Financial Services community. We look forward to seeing you at re:Invent 2023!

Scott Mullins

General Manager, AWS Financial Services



Let's recap

Access hours of sessions led by AWS experts, hear from customer and partner cloud leaders, and learn what's next and new from AWS.

Click on the links at right to navigate this guide and also use the tabs at the top of each page to jump to a section.

Our recommendations

- ✓ Watch CEO [Adam Selipsky's Keynote](#)
- ✓ Check out a few [Financial Services sessions](#)
- ✓ View our curated list of [new service announcements](#)

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FSI announcements & highlights



Nasdaq completes migration of the first U.S. Options Market to AWS



OCC receives no objection notice from SEC on Cloud Infrastructure Proposal



Inter discuss its partnership with IBM and journey on AWS



AWS announces game-based learning experience, AWS Industry Quest: Financial Services



NAB announces long-term cloud deal with AWS



American Family Insurance and AWS team up to drive innovation



AWS selected to power Singapore's first built-in-the cloud digitally-native bank Trust Bank



How WaFd embraced Amazon Lex's conversational AI to improve and speed up telephone banking

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Financial Services Breakout Sessions

AWS re:Invent breakout sessions are lecture-style and one hour long.



FSI201**Goldman Sachs: Accelerating time to value in data analytics**[View](#)

Financial institutions rely on data to create new products, manage risk, and make informed business decisions. However, it can be challenging and time-consuming to access data that is dispersed across on-premises and public cloud data stores and distributed by third-party vendors. Attendees will learn how Goldman Sachs engineered its Goldman Sachs Financial Cloud for Data—a cloud-native, modular, and integrated collection of services—to (1) run distributed server-side analytics and enrich data in real-time and (2) stream and analyze time-series data (also in real-time), by ingesting relational data using AWS Data Exchange, Amazon Redshift, AWS Glue, and the FINOS Legend open-source platform.

Breakout session

Featured speakers: **Francesco Pontrandolfo**, Product Manager, Goldman Sachs; **Ram Rajamony**, Vice President, Technology Fellow, Data Engineering, Goldman Sachs; **Gerrard Cowburn**, Solutions Architect, AWS

FSI203**NatWest: Personalizing banking with machine learning on AWS**[View](#)

NatWest Group is accelerating how they use machine learning (ML) to support the financial health of more than 19 million customers. NatWest will detail how they are using data analytics and ML on AWS to bring hyper-personalized experiences to their customers and non-customers. This year they have built-out their MLOps platform centered around Amazon SageMaker to support over 500 data scientists and data engineers. Learn about NatWest's ML journey, how ML delivers personalization, and critical metrics, including a simplified route to live for their ML models that is rapidly reducing the time-to-value of their ML and data-led projects.

Breakout Session

Featured speakers: **Greig Cowan**, Head of Data Science and Engineering for Data Innovation, NatWest; **Zachery Anderson**, Chief Data and Analytics Officer, NatWest; **Robert Butcher**, Solutions Architect, AWS

FSI204**How Resolution Life unlocks legacy data to power transformation**[View](#)

Resolution Life US is a new digital insurance carrier formed through the acquisition of Voya Financial's life insurance division and backed by Resolution Life, a pioneer of the closed book operation model. It has embarked on a bold journey to create a modern digital experience for all of its stakeholders that integrates with 15 policy administration systems. In this session, learn how Resolution Life rapidly built a 100% cloud-based platform using low-code tools, serverless and API technology, and AI and machine learning to extract value from legacy systems while delivering frictionless experiences to customers and employees.

Breakout Session

Featured speakers: **Tushar Kinger**, Head of Digital Application Development, Resolution Life U.S.; **Mony Kiem**, Senior Solutions Architect, AWS

FSI205**How Moody's uses serverless and microservices for ESG scores**[View](#)

Environment, social, and governance (ESG) considerations are reshaping financial markets and risk-based decision making for investors. Moody's offers a scalable solution to publish ESG data-driven scores with transparency to support detailed analytics. ESG results are incorporated into client-facing platforms and risk-based models for portfolio management. Doing so requires unifying multiple data sources, cleansing that data, and analyzing it without manual intervention. In this session, learn how Moody's built a scalable serverless platform on AWS to address this challenge. Moody's shares how its serverless and microservices architecture allows them to seamlessly publish ESG scores with data lineage and transparency using AWS services.

Breakout Session

Featured speakers: Shelly Fisher, Managing Director, Enterprise Data and ESG Development, Moody's; **Divya Elaty**, Senior Vice President, ESG Cloud Engineering Lead, Moody's; **Sri Sontineni**, Senior Engagement Manager, AWS

FSI308**Chase International: Always-on customer experience at scale**[View](#)

With a 200-year history as a pioneer in banking, JPMorgan Chase faces the challenge of meeting the ever-changing needs of its customers. Launched in 2021, Chase International combines the trustworthiness of an established brand with the seamless experience of a digital retail bank. Learn how Chase is providing fast access and personalized service 24/7 using AWS services, including Amazon Connect, Amazon EKS, AWS Glue, and Amazon OpenSearch Service. Chase details how it built a modern banking platform and scaled a new entity in an established market, attracting more than 500,000 consumers and over \$10 billion in deposits.

Breakout Session

Featured speakers: Paul Clark, Managing Director, Chase International, JPMorgan Chase & Co.; **Courtney de Lautour**, Executive Director, Core Engineering Chase International, JPMorgan Chase & Co.; **Colin Marden**, Global Account Solutions Architect, AWS

FSI309**Global Payments: From mainframes to microservices**[View](#)

Global Payments acquisition of industry-leading card issuing technology provider, TSYS created a catalyst for innovation and transformation. As a result, TSYS executed a landmark partnership with AWS that enabled TSYS to reimagine its payments stack, which supports some of the largest banking and retail brands. Learn how TSYS is engineering its cloud-based solutions to take advantage of the resiliency and scaling options available through AWS. TSYS will discuss how they are leveraging innovative products and solutions to build a highly resilient and secure architecture to provide an industry leading cloud-based issuer processing platform to institutions around the world.

Breakout Session

Featured speakers: Gabriel Braslavsky, Senior Vice President, Software Engineering, Data Application Delivery, Global Payments; **Krishna Chaitanya Sarvepalli**, Senior Director, Product Engineering; Global Payments; **Bobby Malik**, Principal Solutions Architect, AWS

FSI310**NYSE: Protecting markets through real-time data processing**[View](#)

To address key regulatory requirements, the New York Stock Exchange (NYSE) surveillance system must monitor for any anomalies in trading, which requires processing more than 500 billion time-series records—10 terabytes of data—in real time on a daily basis. This session shares how the NYSE employs a range of AWS services, including Amazon S3, AWS DataSync, Amazon EFS, and Amazon EC2, to store and process data to meet the needs of a constantly changing, low-latency, mission-critical application. Learn how the NYSE developed a dynamic storage architecture that improved performance and scaled to meet unpredictable capacity demands while substantially lowering costs.

Breakout Session

Featured speakers: Anand Pradhan, Senior Director, Head of Regulatory and NMS Technology, NYSE; **Vinil Bhandari**, Director of Engineering, NYSE; **Joe Cho**, Senior Technical Account Manager, AWS

FSI311**Bridgewater Associates: Building inspectable models at scale**[View](#)

Bridgewater Associates, a premier asset management firm, has built an investment platform on AWS that empowers researchers to analyze multi-century macroeconomic data to make investment decisions. This investment platform encompasses a petabyte-scale bitemporal data lake on Amazon S3, a distributed analytics engine on Amazon EMR on Amazon EKS, and high-performance visualizations powered by Presto on Amazon EMR. Learn how Bridgewater creates investment simulation environments at scale while balancing security and costs. Explore how the investment platform is evolving, what a next-generation research platform looks like, and how Bridgewater is redefining what's possible for investment analysts.

Breakout Session

Featured speakers: Robin Anil, Director, Research Technology, Bridgewater Associates; **Lore Pozo**, Architect, Bridgewater Associates; **Anthony Pasquariello**, Senior Solutions Architect, AWS

FSI312**Nasdaq: Moving mission-critical, low-latency workloads to AWS**[View](#)

As part of its mission to build the next generation of cloud-activated infrastructure for the world's capital markets, Nasdaq is migrating its first US options market, Nasdaq MRX, to the cloud using edge compute capabilities available in jointly engineered AWS Outposts that are tailored to its ultra-low latency needs. This session explores how Nasdaq integrated AWS Outposts into its architecture and is creating a blueprint for its exchange technology customers in 50+ countries to accelerate their own cloud migrations. Learn how to use low-latency multicast on AWS Outposts to maintain network determinism and fairness in your applications.

Breakout Session

Featured speakers: Marc Murphy, Senior Vice President, North America Markets Strategic Programs, Nasdaq; **Nate Sammons**, Vice President, Enterprise Cloud Architecture, Nasdaq; **George Smith**, Principal Solutions Architect, AWS

FSI317**Trading up: Fidelity Investments takes trading to the cloud**[View](#)

The mainframe has been a cornerstone of the technical capabilities of Fidelity Investments for years. Recently, Fidelity instituted a strategic program to modernize its core brokerage platform and recast the mainframe's capabilities into a cloud-based platform using elastic scalability and cost structures and more modern technologies while shedding technical debt. Join this session to learn more about Fidelity's migration journey, which focuses on not only Fidelity's technology stack (including Amazon EKS, Amazon MSK, Amazon DynamoDB, and AWS Lambda) but also its corporate culture and lessons learned from building one of the largest trading platforms on AWS.

Breakout Session

Featured speakers: **Amr Abdelhalem**, Head of Cloud Platforms, Fidelity Investments; **Louis Mancini**, Head of Equity/Options Trading Technology, Fidelity Investments; **Jeremiah O'Connor**, Principal Solutions Architect, AWS

ANT204**Enabling agility with data governance on AWS (featuring Prudential)**[View](#)

Data governance is the process of managing data throughout an end-to-end process, ensuring its accuracy and completeness and making sure it is accessible to those who need it. Watch this session to learn how AWS is delivering comprehensive data governance— from data preparation and integration to data access, data quality, and metadata management— across analytics services.

ANT212**How JPMC and LexisNexis modernize analytics with Amazon Redshift**[View](#)

Tens of thousands of customers use Amazon Redshift every day to run data warehousing and analytics in the cloud and process exabytes of data for business insights. Join this session to hear from JPMorgan Chase and LexisNexis as they share their journeys of moving to a modern cloud data warehouse with Amazon Redshift. Learn best practices in modernizing analytics to operate at scale, with speed while keeping costs low.

ANT219**Dow Jones and 3M on Amazon OpenSearch Service**[View](#)

Observability helps you understand what is happening in a system, often by instrumenting collections of metrics, logs, and traces. As applications grow, observability becomes more complex. In this session, learn how Dow Jones and 3M implemented observability and hear about their challenges, successes, and architectures. Additionally, hear why they chose to migrate to Amazon OpenSearch Service from other technologies.

ANT223**Simplify and accelerate data integration & ETL modernization with AWS Glue (Itaú-Unibanco)**[View](#)

The first step in an analytics or machine learning project is to discover and prepare your data to obtain quality results. AWS Glue is a serverless, scalable data integration service that helps you discover, prepare, move, and integrate data from multiple sources. In this session, learn about the latest innovations in AWS Glue and hear how an AWS customer uses AWS Glue to enable self-service data preparation across their organization. Itaú, Brazil's largest private-sector bank, also shares their AWS Glue success story.

ANT326**How BMW, Intuit & Morningstar are transforming with AWS and Amazon Athena**[View](#)

Data science and machine learning are transforming products and services in every industry. Whether it's improving customer experience at BMW, personalizing software in real time at Intuit, or accelerating insights and innovation at Morningstar, data science and ML techniques are being used to improve business processes, speed product development, and enhance customer engagement. In this session, hear firsthand from AWS customers using Amazon Athena alongside other AWS and open services to modernize their businesses and bring transformative change to their industries.

ARC217-L**Building modern apps: Architecting for observability & resilience (featuring FINRA & Capital One)**[View](#)

Cloud computing is transforming architecture design and application delivery at organizations across the world. As cloud architectures evolve, new design patterns are essential. Architecting for resilience, observability, security, and emerging trends serves as the foundation that empowers builders to innovate, optimize their workloads, and scale adoption over time. In this session, hear from AWS customers and cloud experts about their proven architecture best practices, tools, and blueprints for architecting for reliability, observability, and modernization on AWS.

ARC306**Multi-Region design patterns and best practices (featuring Vanguard)**[View](#)

In this session, dive deep on the topic of multi-Region design and explore different ways to implement such architectures. Consider how to think about multi-Region architectures and what is included from a cost, operations, and engineering perspective. Also learn about AWS service features that can help you build multi-Region solutions, including Amazon Route 53 Application Recovery Controller, Amazon CloudFront Functions, Amazon Aurora Global Database, Amazon DynamoDB global tables, and more.

ARC309**A real-world resilience evolution in the cloud framework (featuring Itaú-Unibanco)**[View](#)

Resilience excellence in the cloud requires multiple teams working in synergy across distinct areas of knowledge. AWS and Itaú Unibanco—the largest bank in Latin America—created a Resilience Evolution Program whose objective was enhancing resilience of applications running on the AWS Cloud. In this session, Anderson Mota (Itaú's Head of Technology Architecture), Robert Fuente (AWS Principal TAM), and Gus Santana (AWS Cloud Acceleration Director) explain how the program's 5 pillars (monitoring, tests, dependencies, blue-green, and governance) increased application availability and scaled to other applications via frameworks. If you want to know how structured best practices can improve resilience, this is the session for you.

ARC314**Publish real-time financial data feeds using AWS PrivateLink & Amazon MSK**[View](#)

This session describes how to offer a real-time financial data feed as a service on AWS. By using Amazon Managed Streaming for Apache Kafka (Amazon MSK), you can use Kafka to allow your customers to subscribe to message topics containing the financial data of interest. Consider connectivity best practices to distribute data at a global scale, security options to ensure a secure architecture, and lessons learned from customers that are using AWS to distribute financial data on AWS.

AIM202**Automate your mortgage document processing with AWS AI/ML (featuring Pennymac)**[View](#)

It is estimated that a new mortgage loan origination application contains an average of 400–500 pages. Other processes such as mortgage refinance also involve hundreds of documents per application. There is limited automation available today to process and extract information from all the documents, especially due to varying formats and layouts. In this session, learn how organizations in the lending and mortgage industry can take advantage of some of the latest innovations in AI/ML services from AWS to automate document processing and ultimately improve productivity and scale quickly.

AIM204**Automate insurance document processing with AI**[View](#)

An estimated 80 percent of data within organizations is considered to be unstructured or “dark” data that is locked inside text, emails, PDFs, and scanned documents. This data is difficult to interpret or analyze programmatically and limits how organizations can derive insights from it and serve their customers more effectively. The rapid rate of data generation means that organizations that aren’t investing in document automation risk getting stuck with legacy processes that are slow, error-prone, and difficult to scale. In this session, learn how organizations can take advantage of the latest innovations in AI and machine learning from AWS to improve the efficiency of their document-intensive claims processing use case.

AIM205**Fidelity elevates developer operations with ML-powered insights**[View](#)

While DevOps technology has evolved dramatically over the last few years, it can still be challenging. Developers need automated practices to build applications and maintain availability. Join this session to learn how Fidelity Investments uses AI to transform their IT operations. Dive deep into how Fidelity is using ML-powered services from AWS to create new applications, improve developer operations, and increase the availability of their applications.

AIM214**Learn how Black Knight is using AI to accelerate mortgage workflows**[View](#)

Explore how Black Knight, a premier mortgage analytics company, is adopting AWS artificial intelligence (AI) services for its data and domains to process documents at scale. Learn how they use Amazon Textract to reduce manual processes, mitigate regulatory risks, and deliver significant cost savings to their clients, including many of the largest US lenders. The mortgage processing industry is complex due to the loan lifecycle, regulatory requirements, and the sophisticated data and analytics required to support each process. Hear how Black Knight uses AWS AI services to help clients improve and scale their business processes with automation and a complete solutions ecosystem that supports the entire real estate and mortgage lifecycle.

AIM307**JPMorgan Chase real-time agent assist for contact center productivity**[View](#)

Resolving complex customer issues is often time-consuming and requires agents to quickly gather relevant information from knowledge bases to resolve queries accurately. Join this session to learn how JPMorgan Chase built an AWS Contact Center Intelligence (CCI) real-time agent assist solution to help 75 million customers and help 8,500 servicing agents generate next best actions in the shortest time—reducing agent frustration and churn. Hear how JPMorgan Chase's real-time agent assist solution uses Amazon Transcribe to provide real-time transcriptions, Amazon Kendra to provide best answers from knowledge bases during a live call, and Amazon SageMaker for machine learning and training their intent models.

AIM321**Productionize ML workloads using Amazon SageMaker MLOps (featuring NatWest Group)**[View](#)

Machine learning operations (MLOps) tools help you automate and standardize processes across the ML lifecycle to productionize ML models more quickly and maintain model quality in production. Amazon SageMaker provides a breadth of MLOps tools to train, test, troubleshoot, deploy, and govern ML models at scale. In this session, explore Amazon SageMaker MLOps features, including SageMaker Pipelines, SageMaker Projects, SageMaker Experiments, SageMaker Model Registry, and SageMaker Model Monitor, and learn how to increase automation and improve the quality of your ML workflows.

AIM332**WaFd bank delivers enhanced self-service with AWS conversational AI**[View](#)

Join this session to learn how Washington Federal (WaFd) bank used AWS conversational AI solutions to reduce their customer wait time in the interactive voice response system from 4.5 minutes to 28 seconds. See a live demo to understand how WaFd's chatbot goes beyond canned responses and allows customers to perform multiple online banking tasks like checking account balances, scheduling transfers, and more. Learn how, powered by Amazon Lex, WaFd's chatbot can interact and respond to customer queries in both voice and text. If a customer's query is unresolved, the AI-powered system connects customers to the agent best equipped to resolve the issue quickly.

BIZ102**How women leaders are transforming customer experience (featuring Symetra)**[View](#)

Learn from our panel of experts about how they are addressing the opportunities and challenges in customer experience (CX) transformation. Hear practical advice and tips on how to create more value for your customers and innovate continuously in a digital age, while building a diverse and inclusive workforce.

BIZ207**How NAB transformed self-service experience with Amazon Connect and ML**[View](#)

Learn how National Australia Bank (NAB) executed on their vision for a “Digital-first, human when it matters” customer experience by delivering more personalized and consistent conversational AI-powered IVR and digital experiences that delight customers. NAB's approach helped customers accomplish the majority of their requests via self-service while making the right NAB colleague available every time, when it mattered most. With Amazon Connect and ML, NAB empowered business leaders to innovate quickly, with their own teams, and standardize conversational AI and agent experiences across all contact center sites and channels.

BIZ208**Deliver a resilient, personalized experience at scale with Amazon Connect (featuring Intuit)**[View](#)

If your contact center aspires to be best in class, then personalization, scalability, and resiliency are imperative. Delivery of a personalized customer experience every time demands contact centers architect for a digital-first engagement strategy that is scalable and robust enough to handle ever-changing customer, business, and operational needs. Attend this session to hear from AWS customers and AWS experts on how to design your contact center for highly resilient operations at any scale with Amazon Connect.

BLC202**Hear from customers: Private blockchain success stories (featuring Broadridge)**[View](#)

In this session, learn about successful implementations of private blockchain from Verizon and Broadridge. Despite much excitement and experimentation across industries from 2018–2020, transitioning private blockchain solutions to production has challenging. Hear how Verizon and Broadridge utilized private blockchain to transform production workflows in supply chain and financial settlement.

BSI207**Get clarity on your data in seconds with Amazon QuickSight Q (featuring Nasdaq)**[View](#)

Amazon QuickSight Q is a machine learning–powered natural language capability that empowers business users to ask questions about all of their data using everyday business language and get answers in seconds. Q interprets questions to understand their intent and generates an answer instantly in the form of a visual without requiring authors to create graphics, dashboards, or analyses. In this session, the Amazon QuickSight Q team provides an overview and demonstration of Q in action.

CMP213**Building a budget-conscious culture at Standard Chartered Bank**[Coming Soon](#)

In this session, Standard Chartered Bank shares how FinOps has been embedded in the way they build systems. Critical large systems at Standard Chartered Bank—such as scaling applications, container platforms, and their grid for calculating risk and analytics—use techniques to reduce waste and optimize cost and performance at scale. These techniques include using an optimal combination of AWS Savings Plans and Amazon EC2 Spot Instances, building for elasticity, and applying automation to switch down systems not in use.

CMP223-L**Compute innovation to enable any application in the cloud (featuring Nasdaq)**[View](#)

AWS offers the most comprehensive set of capabilities and continually innovates across infrastructure and services so you can build, run, and scale applications in the cloud, on premises, and at the edge. Join Dave Brown, VP of Amazon EC2, to hear about the innovations AWS is delivering for millions of organizations. Dave discusses how AWS has developed custom silicon optimized for the cloud and how you can take advantage of AWS compute innovations including processors, machine learning chips, and high-performance storage products.

COM305**Automate & manage AWS Outposts capacity across a multi-account AWS setup (featuring Morningstar)**[View](#)

Curious how to centrally plan, track, and adjust Amazon EC2 capacity on AWS Outposts across multiple AWS accounts? This session showcases a unique solution implemented at Morningstar to block users from over-provisioning their Amazon EC2 quota on shared Outposts. Walk through their Outposts use case and how they assign and track usage across AWS accounts. Review the architecture that takes advantage of AWS Lambda, Amazon DynamoDB, Amazon CloudWatch, Amazon S3, and a custom API to deliver a low-overhead solution. Finally, see a demonstration of the process from start to finish: no excel sheets required.

CON210**What's new and what's next with Amazon ECS (featuring Goldman Sachs)**[View](#)

Amazon ECS is a fully managed container orchestration service that makes it easy to run highly secure, reliable, and scalable containers. The Amazon ECS team continues to innovate for their users, delivering powerful features that deeply integrate with the rest of AWS. Join this session to hear about the latest advancements with Amazon ECS. Discover what's new since last year's launch of Amazon ECS Anywhere, new features of AWS Fargate, and a look ahead at the exciting enhancements to Amazon ECS.

COP204**Proactive governance and compliance for AWS workloads (featuring Capital One)**[View](#)

Maintaining governance and compliance can be a manual, time-intensive process that prevents organizations from achieving self-service and automation at scale. In this session, learn how NextEra Energy and Capital One enable automation and self-service at scale with AWS Cloud operations services. Explore how to activate controls with AWS Config, AWS CloudFormation, AWS Service Catalog, AWS Systems Manager, and AWS Service Management Connectors to help you maintain compliance and scale with production-ready workloads and resources.

COP210**How FINRA democratized operational data using Amazon Managed Grafana**[View](#)

When operational incidents happen, engineers need access to data as soon as possible so they can quickly diagnose and fix issues. FINRA was able to solve this problem by creating an enhanced operational reporting and visualization platform built on Amazon Managed Grafana. Their solution reduced time to resolution, improved their customer experience, and improved the overall operational posture of the organization. Join this session to learn how you can make data accessible, in a secure way, throughout your organization so your teams can operate more effectively and efficiently

COP212**Leadership panel discussion: Monitoring and observability on AWS (featuring Fidelity)**[View](#)

In this session, Nandini Ramani, VP of AWS Monitoring & Observability, sits down with three dynamic AWS customers to discuss their paths to success with AWS observability solutions. Join Fidelity Investments, United Airlines, and Federated Wireless for an engaging discussion about how their teams spearhead the observability culture in their organizations and their distinct industries. These organizations share how they leveraged observability to solve challenges their teams faced, improved application performance, optimized DevOps team performance, and elevated their customer experience. Learn what these AWS customers think is the future of observability for their companies and industries.

COP303**How Global Payments scales on AWS with governance and controls**[View](#)

Global financial and regulated industry customers need to scale on AWS while meeting regulatory requirements for governance and controls. In this session intended for cloud architects and security engineers, learn how Global Payments, a financial services payment processor, is using AWS Cloud operations services in conjunction with Terraform to enable governance and controls at scale in a multi-account AWS environment.

COP312**How Commonwealth Bank simplified their compliance journey**[View](#)

Compliance in the cloud can be a daunting challenge. In this session, learn how Commonwealth Bank met regulatory requirements by setting desired configuration, audit, and detection controls and remediating their resources across more than 500 accounts using AWS Config and conformance packs. Learn how they used AWS services including AWS Config, AWS Security Hub, and Amazon GuardDuty to automate AWS security checks, centralize security alerts, and benchmark compliance against their regulatory and risk requirements.

COP313**Goldman Sachs: Using policy as code to deploy new apps in minutes**[View](#)

Are your application teams distributed, deploying at scale, and mandated to follow strict security and compliance requirements? In this session, Goldman Sachs, one of the world's largest investment banks, shares learnings and examples from their experience gained over a year. Learn how they implemented a policy as code (PaC) program, giving application engineers self-service tools to deploy secure cloud applications at scale. Find out how they drastically reduced the time-to-market for new applications from several weeks to just a few minutes.

COP316**How to monitor applications across multiple accounts (featuring JPMorgan Chase)**[View](#)

Increasingly, companies are employing multi-account architectures to reduce the impact of operational events. In this session, learn how to use AWS observability services in a multi-account architecture to monitor your entire application from a centralized view. Learn how to use Amazon CloudWatch as the single pane of glass monitoring for your multi-account organizations and hear from AWS customers how they use CloudWatch to easily search, visualize, and analyze cross-account metrics, logs, and traces when monitoring applications.

COP318**Setting up controls at scale in your AWS environment (featuring DTCC & PIMCO)**[View](#)

Companies are challenged with balancing compliance and security requirements with the desire to allow engineers to make their own design choices. Many companies take an allow-list approach: restricting developer access to AWS services until risks are defined and controls implemented. In this session, learn how to use AWS Control Tower features to meet control objectives and reduce the time it takes to approve AWS services for use.

DAT211**How Capital One accelerates innovation with AWS databases**[View](#)

Capital One has been a disrupter in the financial services industry since 1994, using technology to transform banking and payments. As part of their digital transformation journey, Capital One adopted several purpose-built AWS databases to help manage data at a large scale and accelerate innovation. Join this session to learn how Capital One uses databases such as Amazon DocumentDB (with MongoDB compatibility), Amazon DynamoDB, and Amazon RDS to scale the digital experiences their customers want. Also learn best practices and migration guidance along the way.

DAT213**How Fidelity Investments and Reltio modernized with Amazon DynamoDB**[View](#)

When two industry leaders started their application modernization journey, both chose Amazon DynamoDB. In this session, learn how their journeys were unique and how they embraced Amazon DynamoDB as their non-relational, serverless database solution. Learn how Fidelity modernized their live trade execution and order routing workload from Oracle to DynamoDB, and increased resiliency through a multi-Region architecture with global tables. Discover how Reltio, a cloud-native real-time master data management SaaS company, adopted Amazon DynamoDB to meet growth demands for a subset of their microservices, followed by the migration of all relevant workloads from Apache Cassandra.

DAT217**Modernize apps with purpose-built databases, featuring Liberty Mutual**[View](#)

Modernizing your applications is more than moving them to the cloud—that is simply the first step. By moving your applications to the cloud, you gain access to the latest database technologies, allowing you to modernize your applications to better serve your customers, stakeholders, or constituents. In this session, learn how to use open-source relational databases and new technologies such as key-value, document, and graphs to enhance performance of your applications. Learn why Liberty Mutual adopted AWS services and how they reduced their total cost of operations while positively impacting the environment by reducing emissions by 90%.

DAT220**Thomson Reuters and BMC Software's database modernization vision with DMA**[View](#)

Thomson Reuters and BMC Software are leaders in the financial and ISV industries. In this session, learn why they chose Amazon Aurora and the Amazon Database Migration Accelerator (DMA) to accelerate their migration and modernization strategies. Thomson Reuters used DMA's fixed-fee service in a multi-wave migration (7 data centers, 400 databases), while BMC Software used DMA's advisory services to expedite their migration plan by a year. Both companies share best practices and outcomes that they have realized with these decisions.

DAT319**S&P Dow Jones Indices' AWS journey from Oracle to Amazon Aurora**[Coming Soon](#)

In this session, learn how the migration from Oracle to Amazon Aurora PostgreSQL-Compatible Edition and Amazon Aurora MySQL-Compatible Edition helped S&P Dow Jones Indices (SPDJI) to scale, accelerate, and modernize their workloads. Discover the challenges SPDJI encountered during the migration journey, how they were able to solve them, and the best practices they developed along the way. Learn how using AWS SCT and AWS DMS can streamline and accelerate migrations and improve migration outcomes.

DAT325**Managed Oracle Databases with Amazon RDS:
New features & best practices (featuring Jefferies)**[View](#)

Many organizations are looking to take advantage of the power of managed databases in the cloud. Amazon RDS for Oracle is a fully managed relational database service that automates time-consuming database administration tasks while cost-effectively running Oracle Database workloads. Amazon RDS Custom for Oracle offers a shared responsibility model ideal for custom, packaged, and third-party applications that require customization of the underlying operating system and database environment. In this session, learn about new features and best practices to make Oracle Database deployments highly available, scalable, secure, and manageable. Discover how companies, like Jefferies, are transforming their businesses with Amazon RDS.

DAT327**How Intuit migrated Apache Cassandra workloads to Amazon Keyspaces**[View](#)

Intuit delivers global technology solutions and consolidates data from thousands of financial institutions to help power its products. The Intuit Data Exchange platform team wanted to simplify the management of its Apache Cassandra-based workloads to improve operational efficiency. Learn about their experience migrating more than 120 TiB of data to Amazon Keyspaces, while delivering high availability and reliability to their users, using a dual-write approach. Discover Amazon Keyspaces best practices and migration guidance.

DPR102**Drive collaboration and ML learning like JPMorgan Chase with AWS DeepRacer**[View](#)

JPMorgan Chase's adoption of AWS DeepRacer goes far beyond the first place title it secured at the AWS DeepRacer League championship in 2021. With an expansive AWS DeepRacer learning program spanning 20 global technology centers, JPMorgan Chase uses AWS DeepRacer to inspire learning, collaboration, and of course, some friendly competition. In this session, JPMorgan Chase shares guidance for creating a successful AWS DeepRacer learning program and for using the platform to encourage employees to further develop their AI/ML skills and drive innovation. Discover how you can build an AWS DeepRacer program unique to your organization.

ENT215**Gain value from AWS Mainframe Modernization Replatform w/Micro Focus (Nassau Financial Group)**[View](#)

Replatforming modernizes infrastructure and processes while minimizing application changes. Whether you want to gain agility, reduce costs, or mitigate mainframe risks, the AWS Mainframe Modernization Replatform solution, which uses Micro Focus Enterprise technology, modernizes with speed and quality. Join this session to understand the business value and benefits of replatforming mainframe applications, see this solution in action, and hear about the latest innovations from AWS. Learn how you can increase the speed of your mainframe transformation and deploy modernized applications on a runtime built for the AWS Cloud.

ENT224**Tackle complex migrations with VMware Cloud on AWS: Lessons from Aon**[View](#)

Enterprises are increasingly undertaking complex journeys of transformation, migration, and modernization. If you are running VMware workloads on-premises and looking to accelerate your journey, join this session to dive deep into how VMware Cloud on AWS can help you take a lower-risk and iterative transformation approach to executing on your existing applications and data. Hear how Aon used VMware Cloud on AWS to tackle their complex cloud journey needs. Learn innovative practices that can help you migrate with ease and flexibility and scale securely in the cloud.

ENT227**How NAB improved application functionality & more by migrating to AWS**[View](#)

In this session, learn how National Australia Bank (NAB) is leveraging AWS Cloud capabilities to meet compliance and regulatory requirements. NAB's leadership shares how by migrating their business-critical Oracle applications, including OFSAA applications (funds transfer pricing and GL reconciliation) and ebusiness-suite applications (financial accounting hub and Oracle general ledger), and transitioning their ETL tool from ODI to Informatica on AWS, they improved functionality and security compliance and overcame business risks within a strict timeline.

EUC204**Creating remote work environments that optimize security, productivity (Capital One)**[View](#)

Remote work creates a number of challenges for organizations that need to secure their data on end user devices while improving employee experience. In this session, learn about ways to use virtual desktop infrastructure in the cloud with Amazon WorkSpaces and Amazon AppStream 2.0. These services can help keep your data in the data center while also providing high-performance, low-latency architectures to keep your employees happy and productive.

IOT201**How leading brands are building differentiated products on AWS IoT**[Coming Soon](#)

IoT is not only about connecting devices to the cloud—there is much more to it. When done right, it can easily unlock long-term business value. An end-to-end approach that is founded on security, reliability, and scalability not only helps you gain a competitive edge, but also helps sustain it over a longer period of time. This session highlights how leading brands like LG Electronics and Paytm are adopting this end-to-end approach to securely scale and bring differentiated experiences for their customers on AWS IoT.

MKT310**Modernize and govern your digital supply chain with AWS Marketplace (featuring Vanguard)**[View](#)

To activate innovation at speed, companies need to modernize how they acquire and consume third-party solutions. Companies also need to learn how to govern procurement and launch third-party solutions that align with business and compliance requirements. In this session, explore how to set up your own private marketplace of third-party solutions and learn how to govern your procurement workflows while gaining visibility into your IT spend.

PRT007**Speedboat innovation: Enabling new revenue streams**[View](#)

Digital innovation must happen continuously to keep enterprises competitive, compliant, and secure. It can be overwhelming. This talk discusses how the innovation hub of one of the largest Dutch multinational banks created a secure and compliant landing zone on AWS to enable the quick roll-out of MVPs. For technology enablement, it is critical to have a foundational layer that allows fast ramp-up and in-parallel development of multiple ideas. This solution enabled the bank to develop new revenue streams and create new business propositions such as a payment confirmation service and identity ownership platform. This presentation is brought to you by Hexaware, an AWS Partner.

PRT026**Benefiting from chaos engineering at Capital One (sponsored by Capital One)**[View](#)

Adopting chaos engineering as part of your cloud resiliency program is crucial to truly understanding an application resiliency posture and proactively increasing stability for critical applications. In this talk, learn how Capital One uses chaos engineering to improve resiliency postures in production. The talk covers key requirements for creating a successful chaos resiliency practice focused on testing real-world failure scenarios on the AWS Cloud. This presentation is brought to you by Capital One, an AWS Partner.

PRT029**Future-proofing your business with codeless architecture, sponsored by Unqork (featuring Goldman Sachs)**[View](#)

Unlocking innovation and driving modernization in regulated industries can be challenging, but Goldman Sachs transformed many of its business-critical processes by using the most innovative technologies. Join Goldman Sachs and Unqork to see how they have been able to accelerate Goldman Sachs's innovation, improve stakeholder experiences, and drive revenue. Learn how Goldman Sachs has partnered with Unqork to modernize their digital ecosystems with customized mission-critical solutions, accelerate digital product delivery by nearly 3x compared to traditional technology development, future proof-their technology investments by building with an open-source platform, and work towards a goal of 100 percent codeless architecture. This presentation is brought to you by Unqork, an AWS Partner.

PRT036**How AI and ML unlock insights for financial services teams**[View](#)

Every day, AWS and Dataiku—one of the world's leading AI platforms—help organizations in the financial services industry transform their businesses to better move, forecast, and regulate money in a market where organizations have an increasing number of choices. Without overhauling cloud infrastructure or traversing IT processes, organizations can reduce risk, increase revenue, gain efficiencies, and secure a competitive edge with a data-driven proactive approach. In this talk, explore how to upskill non-technical employees with Dataiku to analyze billions of daily market events while maintaining accuracy, improving transparency, and building trust so you can maintain your position as a market leader in the regulatory space. This presentation is brought to you by Dataiku, an AWS Partner.

PRT050**HealthBridge Financial quickly scales workloads with Boomi and AWS (sponsored by Boomi)**[View](#)

Learn how healthcare and fintech innovator HealthBridge Financial is building out cloud-based IT systems to power its business. In this talk, explore their journey to quickly connect internal and partner systems, achieve performance, and exchange data in real time using Boomi Flow, Boomi Integration, Amazon S3, Amazon SQS, and Amazon RDS. Join to learn how the HealthBridge Financial IT Department transformed to the “Department of Yes” to fulfill business requests and automate four engagement portals used by healthcare providers, insurance agents, employers, and admittance personnel. This presentation is brought to you by Boomi, an AWS Partner.

PRT084**Serverless order fulfillment with Stripe and AWS (sponsored by Stripe)**[View](#)

Stripe webhooks are one of the main ways to get notified asynchronously about key events that occur in your payment workflow. In this lightning talk, explore multiple options for handling Stripe’s webhook events using various AWS services. Start off by looking at some of the event types and their payloads, learning how to work with them locally using the Stripe CLI, and seeing how to scale your solution using AWS serverless services such as AWS Lambda. This presentation is brought to you by Stripe, an AWS Partner.

PRT221**The next frontier: Driving innovation with platform standardization (sponsored by Capital One)**[View](#)

How do you create an award-winning customer experience? Platforms can spark innovation, enhance your resiliency strategy, lower cloud costs, and become a crucial part of engineering culture. In this session, learn why platforms are key to technology strategy, what makes a platform successful, and what a platform ecosystem looks like. Dive deep into the key platform that drives Capital One's digital banking and how it is powered by AWS technology. This presentation is brought to you by Capital One, an AWS Partner.

PRT222**Why operationalizing data mesh is critical for operating in the cloud (sponsored by Capital One)**[View](#)

As companies look to scale in the cloud, they face new and unique challenges related to data management. Data mesh offers a framework and a set of principles that companies can adopt to help them scale a well-managed cloud data ecosystem. In this session, learn how Capital One approached scaling its data ecosystem by federating data governance responsibility to data product owners within their lines of business. Also hear how companies can operate more efficiently by combining centralized tooling and policy with federated data management responsibility. This presentation is brought to you by Capital One, an AWS Partner.

PRT227**Building an onboarding COE for AWS: Going beyond automation (sponsored by GitLab)**[View](#)

What is an onboarding COE? How do you go beyond automation? Cloud migrations and application modernization projects are critical to how you adopt the cloud as a runtime platform rather than as disparate services. Using GitLab's unique platform capabilities, this session explores how Nasdaq is building onboarding templates to provide provisioning, deployment, release, and security best practices for day-one activities. Learn about how highly regulated companies implement SplatOps techniques for auditing and compliance. This presentation is brought to you by GitLab, an AWS Partner.

PRT232**How Unum accelerated cloud-powered analytics at scale (sponsored by Teradata)**[Coming Soon](#)

Unum's digital transformation involved exploring ways to drive positive, innovative customer experiences. Unum selected Teradata Vantage on AWS to create simple, modern, and personal insurance benefit experiences that activated direct customer interaction. Predictive analytical modeling and new ML algorithms were implemented with a modern analytical platform using near real-time insurance data. Unum accelerated data-driven decision-making by gaining insights into patterns and uncovering opportunities within the business. This modern analytics approach reduced development costs and achieved faster time to market for benefits solutions. Join this session to discover how Unum used cloud-powered analytics at scale to increase the quality of its digital customer experiences, accelerating business efficiencies and automation. This presentation is brought to you by Teradata, an AWS Partner.

PRT246**Building real-time applications to utilize AWS Graviton and AWS Nitro System**[View](#)

With the growth of real-time data surpassing every other category, application architects are looking into more efficient infrastructure and real-time data platforms on which to build new real-time applications. A combination of AWS, including AWS Graviton3 and AWS Nitro System SSDs, with Aerospike Database provides an ideal starting point to build these next-generation services. In this session, Aerospike CEO Subbu Iyer discusses how to design real-time applications using the smallest cluster footprint and native support for Graviton3 and Nitro. Subbu also reviews case studies from Fidelity Investments and Wix.com to illustrate real-time application design on AWS. This presentation is brought to you by Aerospike, an AWS Partner.

PRT248**Data integration at scale: Strategies to unlock SAP and mainframe (featuring Vanguard)**[View](#)

Many of the largest AWS customers depend on Qlik Data Integration to ingest data at scale and create low-latency flows. In this session, learn how one organization accelerated time to value from SAP data by 2x and another is experiencing a 30 percent reduction in cost of compute through real-time replication to a variety of AWS services. Qlik accelerates cloud analytics with an end-to-end data integration and analytics solution for AWS—taking you from raw data to informed action. This presentation is brought to you by Qlik, an AWS Partner.

PRT250**Infosys Cobalt: Creating value from confluence of technology forces (featuring Comerica Bank)**[View](#)

As the cloud grows in strategic relevance, capturing the full extent of its promised value remains a struggle for many enterprises. In order for enterprises to harness the benefits of cloud-led transformation, they need to transform their cloud investment into a critical enterprise capability that delivers differentiated business outcomes. This means navigating a confluence of technologies—5G, IoT, edge, data, analytics, and hybrid cloud. In this session, learn how these converging technology forces can be tapped to deliver value for enterprises with AWS and Infosys Cobalt—a powerful set of services and solutions to unlock value and accelerate growth. This presentation is brought to you by Infosys, an AWS Partner.

PRT268**Camada Zero: A real-world architecture framework (sponsored by Itaú-Unibanco)**[View](#)

Enterprises are modernizing to deliver business value to their customers. Business services have become more and more critical to customers and companies. System criticality translates into resilience, availability, and reliability requirements, and the challenge of delivering stability to meet extreme standards is monumental. To address the challenge, Itaú-Unibanco—the largest bank in Latin America—created Camada Zero, an innovative architecture framework that promotes technical quality for the bank's most critical business services through architecture, engineering, and operation principles. Join this session to learn how a structured architectural and operational approach can benefit highly critical applications. This presentation is brought to you by Itaú-Unibanco, an AWS Partner.

PRT269**How a financial company can become a cloud service provider (sponsored by Itaú-Unibanco)**[View](#)

Customer expectations have changed: Organizations now value experiences, rather than just products and services. That is why Itaú-Unibanco, the largest bank in Latin America, has been undergoing a major digital transformation to deliver features faster while maintaining the quality of its services and the resiliency of its platform. In this session, learn how the bank has evolved in the last two years working with AWS. Find out about how the challenges and lessons learned during the process of modernizing and migrating critical business services to the cloud have contributed to improvements using AWS services and products. This presentation is brought to you by Itaú-Unibanco, an AWS Partner.

PRT270**Achieving developer productivity in the cloud at Capital One (sponsored by Accenture)**[Coming Soon](#)

Every technology leader wants to achieve productivity across their software engineering organization. Yet historically, it has been a notoriously tricky task—especially given the industry's speed of evolution and the complexities of working in the cloud. In this session, cloud experts from Capital One and Accenture explore the cloud journey with a focus on productivity, communication, and collaboration that utilizes AWS and cloud-native capabilities. Learn how technology leaders can unlock productivity across their organizations by aligning software development to business goals, and ultimately speed development of new customer features. This presentation is brought to you by Accenture, an AWS Partner.

PRT271**Why use AI in insurance underwriting and claims? (sponsored by Accenture)**[View](#)

Accenture and AWS build solutions that innovate to transform experiences, processes, and decision-making for the core insurance functions of underwriting and claims. Delivering powerful, industry-contextualized solutions embedded in AWS services, Accenture is opening up new sources of value for customers, agents, brokers, and carriers. In this session, learn how these co-developed solutions—all integrated into the underwriter desktop—deliver value by accelerating cycle times and settlement accuracy in claims, and how they can help carriers and brokers at each phase of the high-volume underwriting funnel, from ingestion and triage to prioritization of quotes based on propensity to win. This presentation is brought to you by Accenture, an AWS Partner.

PRT303**The digital transformation journey:
Santander UK (sponsored by Salesforce)**[View](#)

Discover how Santander is powering its digital transformation for both customers and colleagues, using Salesforce and AWS as the foundation for building an omnichannel API platform, contact center replacement, and 360-degree customer data lake. This presentation is brought to you by Salesforce, an AWS Partner.

PRT317**Using observability to build trust & improve
incident response times (featuring New York Life)**[View](#)

Join this session with New York Life to learn about how they use New Relic's observability platform to help engineers and DevOps increase self-service observability, improve incident response times, and build trust with their customers. This presentation is brought to you by New Relic, an AWS Partner.

PRT319**Navigating decentralized futures, sponsored
by Capgemini (featuring SWIFT)**[View](#)

Navigating decentralization is complex, with many technology choices, operating models, and policy considerations. In this session, walk through a taxonomy that will help business and tech leaders navigate decentralization and its implications to the financial services industry. Dive deep into payments use cases for central bank digital currencies (CBDCs). Also, learn how facilitating interoperability and interlinking between different CBDCs being developed around the world is critical if we are to fully realize their potential. This session aims to equip business and tech leaders with a clear understanding of key concepts, use cases, and partnerships evolving in the decentralization space. This presentation is brought to you by Capgemini, an AWS Partner.

SEC312**Deploying egress traffic controls in production environments (featuring Robinhood)**[View](#)

Private workloads that require access to resources outside of the VPC should be well monitored and managed. There are solutions that can make this easier, but selecting one requires evaluation of your security, reliability, and cost requirements. In this session, learn how Robinhood evaluated, selected, and implemented AWS Network Firewall to shape network traffic, block threats, and detect anomalous activity on workloads that process sensitive financial data. Robinhood engineers share how they selected a deployment model and executed a global network change that brought their traffic fully in line with firewall endpoints.

SVS311**Practical experience with a serverless-first strategy at Capital One**[View](#)

In this session, Capital One shares concrete examples of how they have implemented serverless patterns, challenges they have faced, and the best practices and tips they have learned from operating AWS Lambda at scale in production. Dive deep on scaling Lambda with various event sources, considerations of event source integrations, observability at scale, and failure-handling mechanisms.

STP206**Cloud strategies for equity valuation and investor readiness**[View](#)

Companies need to get and stay ready for the changing capital markets. Venture capitalists, private equity firms, and other investors are taking a closer look at cloud strategies and their business impacts. Equity valuations depend on a set of metrics that help investors understand how product architectures, technology automation, processes, and culture all point to market readiness and how this impacts a company's overall risk profile, which feeds into their valuation models for the business. The time for preparation is always. In this session, learn how investors and acquirers are adjusting their scrutiny when it comes to a cloud digital strategy and how AWS can help you be prepared.

STP207**Automating and evidencing key compliance security controls**[View](#)

Whether you're in the healthcare industry and subject to HIPAA regulations or in FinTech and subject to SOC 2 compliance, this session discusses a few common controls required for multiple compliance standards. An AWS security solutions architect and a compliance specialist walk you through automating, monitoring, and evidencing key controls and how to talk about them with your auditor or regulated customer.

STP214**Making the right hiring decisions to build impactful products (featuring Petal)**[View](#)

The strongest technical leaders are relentlessly focused on hiring the right people to write code that both helps customers and moves the business forward. Financial inclusion fintech Petal is building a new approach to credit using modern technology. In this session, hear from Petal's CTO, Ali Heron, how she doubled the size of her product, engineering, and analytics organizations in just under a year with scalable hiring practices for quick decision-making. She also shares why balance—for both technical skills and diverse teams—is the secret to providing the largest impact for customers.

STG201**Network-attached storage in the cloud with Amazon FSx (featuring Vanguard)**[View](#)

Migrating file-based workloads to the cloud without adversely affecting performance or availability can be challenging at scale. The Amazon FSx family can address this network-attached storage (NAS) challenge and, as a fully managed service, deliver shared storage, data resiliency, and management compatibilities without application or code changes. In this session, learn from AWS experts how to improve agility, reduce costs, and scale automatically. Also, hear from The Vanguard Group about their file storage modernization project. This session is intended to give you the confidence to create your own NAS migration plan.

STG205**Modernize your data archive with Amazon S3, featuring Stripe**[View](#)

The vast majority of data in the world is cold. Using the Amazon S3 Glacier storage classes, businesses can safely and securely store data for years or decades without worrying about expensive and finicky tape drives or off-premises tape archival services. Learn about the unique challenges for managing cold data as well as best practices for addressing key archiving guidelines with Amazon S3 Glacier and Amazon S3 Intelligent-Tiering. Hear about different options for ingesting and restoring your data at petabyte scale while taking into consideration accessibility, cost, and different tiers of performance.

STG337**Best practices for managing S3 data at scale, with Bridgewater Associates**[View](#)

As you grow to store millions to billions of objects and terabytes to petabytes of data on Amazon S3, tools and automation to handle that scale become increasingly valuable. In this session, dive deep on Amazon S3 Lifecycle management, S3 Batch Operations, S3 Inventory reports, S3 Replication, and other features that can help you better understand, optimize, and perform actions across storage at scale. Hear from Bridgewater Associates about how they use native Amazon S3 capabilities to facilitate global macroeconomic systemic research.

SUP201**Incident detection and response (featuring JPMorgan Chase)**[View](#)

In this session, learn how to monitor, detect, and manage incidents with AWS services for a quick resolution, and get visibility into the operational excellence of a real-world banking platform. Learn how JPMorgan Chase has collaborated with AWS to enable incident detection and response during the Chase.com migration to AWS and for its critical observability and resiliency requirements.

SUP307**Cloud optimization with Trusted Advisor and AWS Well-Architected Tool (featuring S&P Global)**[View](#)

Have you wondered if your cloud environment is optimized to meet your business goals? Are you applying AWS best practices? Join this session to discover how you can use the AWS Well-Architected Framework, AWS Well-Architected Tool, and AWS Trusted Advisor to identify cloud optimization opportunities and accelerate outcomes. Also, learn how S&P Global achieves better agility, reliability, and cost optimization using AWS best practices and tools.

SUP308**Optimize your AWS workloads with best-practice guidance (featuring HSBC)**[View](#)

As you migrate workloads to AWS and your cloud operations become more mature, you are likely to find new opportunities for optimization. However, with the speed of AWS innovation, it can sometimes be difficult to get started and determine the critical actions to take. Join this session to learn about new capabilities and tools to help you get started with optimizing your AWS workloads. Find out how HSBC incorporated the AWS Well-Architected Framework and best practice recommendations to optimize costs, mitigate risks, and ensure high availability of their applications in the cloud. Explore ways to simply and effectively keep you in a great cloud posture for the long term.

SUS210**Modeling climate change impacts and risks at scale**[Coming Soon](#)

Organizations across the globe are assessing their environmental, social, and governance (ESG) performance and the impacts of climate change on their businesses. They need strategies to measure and address climate risks across their operations while reducing their environmental impact. To model potential scenarios, organizations are ingesting and analyzing increasing volumes of data from many sources, and automation and optimization are essential for developing actionable insights. In this session, learn how AXA Climate uses AWS serverless, analytics, and storage services to automate climate analysis and deliver climate intelligence at scale.

Other recommended sessions

Additional session recommendations for you.



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Other recommended sessions

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ANALYTICS

Breakout Session

[View](#)**ANT205****Achieving your modern data architecture**

A modern data strategy is a comprehensive plan or blueprint to help you manage, access, analyze, and act on your data. This session helps you understand how deploying a modern data architecture can help you navigate your data challenges, optimize analytics processes, and deliver faster insights to the people and applications that need it.

Breakout Session

[View](#)**ANT301****Democratizing your organization's data analytics experience**

In this session, learn how AWS purpose-built data lakes and analytics services can help you reinvent your organization with data. Dive into how these serverless offerings along with simplified data lake governance can help you achieve your goals. Also, learn how to run ETL jobs without writing code and review data architectures using ML with AWS analytics services.

Breakout Session

[View](#)**ANT207****What's new in AWS streaming**

Organizations across industries need to make quick, real-time decisions to reduce costs, improve inefficiencies, increase customer engagement, and drive more revenue. This session reviews recent AWS streaming service launches and how you can use them to solve a variety of streaming use cases.

Breakout Session

[View](#)**ANT324****Modernize your data warehouse**

In this session, explore how you can use the new capabilities of Amazon Redshift to modernize your data warehouse by gaining access to all your data—real-time streaming data, transactional data, semi-structured data, data in open formats, or even third-party data—and share consistently across the organization through a petabyte-scale serverless engine.

APPLICATION INTEGRATION

Breakout Session

[View](#)**API302****Building global event-driven applications**

In this session, learn how to implement a multi-Region strategy with serverless services such as Amazon EventBridge, Amazon DynamoDB, Amazon S3, and more. Also, discover some best practices that can help your application become more resilient when a failure occurs

Breakout Session

[View](#)**API303****Application integration patterns for microservices**

Join this session to learn about foundational patterns for integration and conversation scenarios with an emphasis on loose coupling and asynchronous communication. Explore real-world use cases architected with cloud-native and serverless services, and get guidance on choosing integration technology.

Breakout Session

[View](#)**API308****Are you integrating or building distributed applications?**

Seamless user experiences, consolidated data insights, or interconnected partner ecosystems all rely on integrated systems. This session shows how integration patterns can help you encode distributed system design knowledge into your software, using serverless runtimes and CDK automation as examples.

Breakout Session

[View](#)**API309****Advanced serverless workflow patterns and best practices**

In this session, learn about architectural best practices and repeatable patterns for building workflows and cost optimizations, and discover handy cheat codes that you can use to build secure, high-scale, high-performance serverless applications. Real production scenarios illustrate the benefits.

Breakout Session

[View](#)**API311****Building next-gen applications with event-driven architectures**

In this session, learn about some of the challenges and use cases that event-driven architectures can address. Find out how the PGA Tour is using event-based architecture to improve their on-course ball tracking in real time and how you can use AWS messaging services to connect microservices and coordinate data flow using minimal custom code.

ARCHITECTURE

Breakout Session

[View](#)**ARC207****Modern cloud applications: Do they lock you in?**

Building on the cloud is amazing—you have instant access to fully managed services, elastic on-demand scaling, and fine-grained access control. This session discusses trade-offs for modern cloud applications, explains why “lock-in” isn’t just the result of the services you use, and shows why the best abstraction layers are the ones in your head.

Breakout Session

[View](#)**ARC310****Beyond five 9s: Lessons from our highest available data planes**

In this session, learn how AWS has built and architected Amazon Route 53 and the AWS authentication system to help survive cataclysmic failures and enormous load increases. Learn about the AWS approach to redundancy and resilience at the infrastructure, software, and team levels and how teams keep up with the pace of change that AWS customers demand.

Breakout Session

[View](#)**ARC305****Reducing your area of impact and surviving difficult days**

This session is a deep dive on reducing area of impact and improving resilience. Learn how AWS builds in isolation across services from an infrastructure perspective. Also dive deep on advanced application design patterns, such as cellular architecture and sharding, that can help reduce area of impact at the application layer.

Breakout Session

[View](#)**ARC313****Building modern data architectures on AWS**

In this session, learn how to design, create, and operate a modern data architecture on AWS by using AWS purpose-built data services. Also learn about modern data architecture concepts, why customers are adapting to it, modern data architecture pillars, reference architectures, and best practices for optimal performance and cost effectiveness.

Breakout Session

[View](#)**ARC307****Building confidence through chaos engineering on AWS**

This session provides you with an understanding of what chaos engineering is and what it isn't, where it provides value, and how you can create your own chaos engineering program to verify the resilience of your distributed mission-critical systems on AWS.

Breakout Session

[View](#)**ARC315****How to understand and improve resiliency for serverless systems**

This session covers how to use AWS serverless services to build resilient systems. This includes building systems using resilient serverless design patterns, validating them using AWS Resilience Hub, and completing experiments with chaos engineering.

AI/ML

Breakout Session

[View](#)**AIM203****Boost user engagement with Amazon Personalize**

Many consumers today expect a tailored offering as they consider, purchase, and use products and services. In this session, learn how Chewy, an AWS customer, used Amazon Personalize to improve user engagement by providing a dynamic, high-quality shopping experience.

Breakout Session

[View](#)**AIM210****Solve common business problems with AWS AI/ML services**

In this session, learn how companies across industries are using AI to address use cases that create measurable results. This is based on four categories: enhancing customer experience, helping employees and organizations make faster decisions, improving business operations while reducing costs, and creating new products and services powered by AI and ML.

Breakout Session

[View](#)**AIM304****Get the most out of your data with ML-powered search**

Attend this session to learn how Amazon Kendra, an intelligent search service powered by machine learning, can transform the way you discover insights. Hear from AWS customers Orion Health and Qualtrics how they were able to create a fully functional search application for better employee productivity and exceptional customer experiences.

Breakout Session

[View](#)**AIM323****Transform ML development through team-based collaboration**

Collaboration is key to scaling ML in your organization. In this session, learn how to use Amazon SageMaker Studio notebooks to perform end-to-end ML development in one unified notebook, driving seamless collaboration across data science, analytics, and engineering teams.

Breakout Session

[View](#)**AIM339****Store features across teams & projects with Amazon SageMaker Feature Store**

Amazon SageMaker Feature Store is a fully managed, purpose-built repository to store, share, and manage features for machine learning (ML) models. In this session, learn how SageMaker Feature Store provides a secure and unified store for feature use across the ML lifecycle.

AWS MARKETPLACE

Breakout Session

[View](#)**MKT201****How Moderna and Takeda accelerate drug research using real-world data**

In this session, Moderna and Takeda walk you through why they have adopted AWS Data Exchange and Amazon Redshift as integral components of their real-world data (RWD) strategy. With these tools, they can quickly and efficiently source, evaluate, subscribe to, and use RWD from data providers on AWS Data Exchange.

Breakout Session

[View](#)**MKT205****Accelerate SaaS procurement and configuration with AWS Marketplace**

AWS Marketplace provides automated SaaS configuration and continual compliance assessments to make it easier to quickly procure and start using SaaS products on AWS. In this session, learn how to reduce the time and resources required to find, validate, configure, and launch SaaS applications from leading vendors with AWS Marketplace.

Breakout Session

[View](#)**MKT202****Building ready-to-use customer experiences with partner solutions**

Many organizations need to accelerate the provisioning of ready-to-use AWS environments. In this session, learn how you can utilize some of our new features to build ready-to-use AWS environments faster and easier. Also learn how AWS is building solutions with partners to meet best practices as they start with AWS.

Breakout Session

[View](#)**MKT310****Modernize and govern your digital supply chain with AWS Marketplace**

To activate innovation at speed, companies need to modernize how they acquire and consume third-party solutions. In this session, explore how to set up your own private marketplace of third-party solutions and learn how to govern your procurement workflows while gaining visibility into your IT spend.

Breakout Session

[View](#)**MKT203****Transform federal customer experiences with AWS Marketplace**

The U.S. federal government has established broad goals for cloud adoption to improve services, strengthen national defense, increase access to healthcare, and serve the underprivileged. Learn how AWS is helping government builders navigate complex federal procurement processes to innovate and empower builders to transform user experience.

BUSINESS APPS

Breakout Session

[View](#)**BIZ201****Predicting communication engagement with ML**

In this session, learn how AWS Communication Developer Services (CDS) apply ML and AI to improve user engagement rates in email, SMS, push notifications, telephony, audio, and video. Explore how building a multichannel architecture can yield deep insights into user habits and preferences. Hear how AWS customers apply CDS to their own challenges.

Breakout Session

[View](#)**BIZ205****Boost agent productivity and performance with Amazon Connect**

Optimizing the contact center agent experience requires an in-depth knowledge of the agent's role. Attend this session to dive deep into how the latest machine learning capabilities in Amazon Connect can promote a positive agent experience that makes agents' day-to-day work and interactions as effective and frictionless as possible.

Breakout Session

[View](#)**BIZ202****What's new in contact centers with Amazon Connect**

Every year, Amazon Connect grows in capabilities and features. Join this session to hear about the latest trends in contact centers, dive deep into some of the most innovative Amazon Connect features developed in the past year, and hear directly from customers about how they are using Amazon Connect to deliver superior outcomes for their customers and businesses.

Breakout Session

[View](#)**BIZ204****Optimize contact center outcomes with Amazon Connect**

Companies are continuously adapting to ever-changing customer needs, and contact centers face added challenges amid record low unemployment. Learn how Amazon Connect makes it easy for contact centers to more accurately anticipate customer demand, determine ideal staffing levels, and optimize agent schedules and performance in just a few clicks.

BUSINESS INTELLIGENCE

Breakout Session

[View](#)**BSI201****Reinvent how you derive value from your data with Amazon QuickSight**

In this session, learn how you can use AWS native business analytics to provide your users with machine learning–powered interactive dashboards, natural language query (NLQ), and embedded analytics to provide insights to users at scale, when and where they need it.

Breakout Session

[View](#)**BSI202****Migrate to cloud-native business analytics with Amazon QuickSight**

In this session, discover how migrating your legacy business intelligence systems to the cloud with cloud-native, fully managed business analytics capabilities from Amazon QuickSight can help you overcome challenges. Learn how you can use QuickSight's interactive dashboards and reporting capabilities to lower your costs and enable better decision-making.

Breakout Session

[View](#)**BSI203****Differentiate your apps with Amazon QuickSight embedded analytics**

In this session, learn how to enable new monetization opportunities and grow your business with Amazon QuickSight embedded analytics. Discover how you can differentiate your end user experience by embedding data visualizations, dashboards, and ML-powered natural language query into your applications at scale with no infrastructure to manage.

CLOUD OPERATIONS

Breakout Session

[View](#)**COP201****How Discovery increased operational efficiency with AWS observability**

In this session, hear how Discovery has modernized their observability platform by building a cohesive centralized platform on AWS to manage the ingestion, processing, retention, metering, analysis, visualization, and governance of operational data such as logs, metrics, traces, and tags. Additionally, learn how to build a large-scale observability platform on AWS.

Breakout Session

[View](#)**COP207****Moving from paying for what you use to paying for what you need**

In this session, learn about strategies for holistic cloud cost optimization, how AWS has improved its cost-optimization recommendation solutions, and how you can use those solutions to map capacity to your needs and make better cost-optimization decisions while maintaining high performance. Hear details on several capability enhancements for AWS Compute Optimizer.

Breakout Session

[View](#)**COP203****Manage and control your AWS costs**

Govern cloud usage and avoid cost surprises without slowing down innovation within your organization. In this session, learn how you can set up guardrails and operationalize cost control within your organizations using services such as AWS Budgets and AWS Cost Anomaly Detection and explore the latest enhancements in the AWS cost control space.

Breakout Session

[View](#)**COP209****Automate to thrive: An evolutionary approach to operating in the cloud**

In the last few years, with the global pandemic and Great Resignation, organizations most suited and able to change have survived despite unexpected business headwinds. In this session, learn how AWS services for visibility into cloud infrastructure and automation of cloud operations help organizations meet these requirements and respond to business challenges.

Breakout Session

[View](#)**COP204****Proactive governance and compliance for AWS workloads**

In the past, maintaining governance and configuration compliance has been a manual, time-intensive process that was often reactive. In this session, learn how NextEra Energy proactively governs and monitors their AWS footprint using AWS services. Explore how to activate preventative and detective controls to help you maintain compliance with your AWS stack and production-ready workloads at scale.

Breakout Session

[View](#)**COP305****Best practices for organizing and operating on AWS**

Managing and operating cloud environments from multiple business units can be challenging. In this session, learn how an AWS customer set up their cloud environment to allow teams to develop with agility while being able to manage and operate their applications in a secure, automated, reliable, and cost-effective way.

COMPUTE

Breakout Session

[View](#)**CMP201****Silicon innovation at AWS**

AWS efforts in silicon design began with the AWS Nitro System but quickly extended to AWS Graviton processors and purpose-built inference chips with AWS Inferentia. In this session, explore the AWS journey into silicon innovation and learn about some of the thought processes, learnings, and results from the experience so far.

Breakout Session

[View](#)**CMP207****Choosing the right accelerator for training and inference**

Amazon EC2 provides the broadest and deepest portfolio of instances for machine learning applications. In this session, learn about P4, G5, Trn1 and Inf1 instances, benchmarks, and ideal use case guidelines for each of these instances. See a demo of how to initiate and scale machine learning workloads in production.

Breakout Session

[View](#)**CMP204****Building a zero-waste compute infrastructure on AWS**

With over 500 instance types, multiple purchase options, managed services, serverless, and container options, it's easy to build exactly what you need while maintaining low costs, resources, and energy. In this session, learn about zero-waste compute environments, how they're built, and how they can save you money and resources.

Breakout Session

[View](#)**CMP209****AI parallelism explained: How Amazon Search scales deep-learning training**

Transformer-based models have caused the rapid growth of model sizes over the past few years, with sizes and complexities increasing rapidly. Learn how Amazon Search trains large language models using various parallelism strategies and deploys them into production at scale. See a demo of all strategies and open-source code.

Breakout Session

[View](#)**CMP205****HPC on AWS: Solve complex problems with pay-as-you-go infrastructure**

In this session, learn how high performance computing (HPC) on AWS makes extreme-scale compute possible so that you can solve some of the world's toughest environmental, social, health, and scientific problems. Discover how to run your massively parallel workloads and analyze more data with virtually unlimited infrastructure and nearly endless scale.

Breakout Session

[View](#)**CMP212****Metaverse experiences come to life with Amazon EC2 accelerated computing**

Learn how metaverse experiences are creating results for 3D content creation, product design, skilling, gaming, interactive events, and XR streaming. Hear from a panel of customers across industries, including retail, M&E, manufacturing, and energy, who use Amazon EC2 accelerated computing instances.

CONTAINERS

Breakout Session

[View](#)**CON202****How BP gained flexibility and cost savings by migrating to ROSA**

In this session, learn how bp moved from Red Hat OpenShift in the data center to Red Hat OpenShift Service on AWS (ROSA). Rhid Tinkler, CIO of Trading Functions and Shipping at BP, shares lessons learned from migrating their application portfolio to ROSA, why it required a paradigm shift in how they think about platform operations, and how it provided unexpected benefits in performance, flexibility, and cost.

Breakout Session

[View](#)**CON401****Run and manage Amazon EKS clusters on premises**

In this session, learn how Amazon EKS Anywhere provides a consistent experience for managing Kubernetes clusters on premises and in the cloud. Discover how to standardize Kubernetes so that you don't have to manage the complexity of multiple versions across your different workloads and environments.

Breakout Session

[View](#)**CON205****What's new and what's next with Amazon EKS**

This session dives deep into recent enhancements to Amazon EKS, a fully managed Kubernetes service. Learn how these new capabilities make it easy for you to run Kubernetes on AWS and on premises and help ensure the availability and scalability of your mission-critical applications.

Breakout Session

[View](#)**CON210****What's new and what's next with Amazon ECS**

Join this session to hear about the latest advancements with Amazon ECS. Discover what's new since last year's launch of Amazon ECS Anywhere, new features of AWS Fargate, and a look ahead at the exciting enhancements to Amazon ECS.

DATABASES

Breakout Session

[View](#)**DAT218****What's new with database migrations**

AWS DMS is making it easier than ever to assess migration complexity, convert database objects to a format compatible with your target database engine, and migrate to the cloud. Learn about a new feature that unifies your migration activities under a single managed service. This session shares best practices, examples, demos and the latest new features.

Breakout Session

[View](#)**DAT219****What's new with Amazon DocumentDB**

Amazon DocumentDB provides you the flexibility of a document database without the time-consuming database administration tasks, freeing you to focus on innovation. In this session, learn about the latest Amazon DocumentDB innovations, features, and updates that will push past the scalability limits seen in traditional databases.

Breakout Session

[View](#)**DAT222****Deep dive on MySQL databases in Amazon RDS**

In recent years, MySQL has become a top database choice for new application development and migration from other commercial databases. In this session, review general guidelines for common user operations and activities such as upgrades, availability, and performance tuning. Dive deep into the capabilities of the service and review the latest features.

Breakout Session

[View](#)**DAT320****Deploy modern and effective data models with Amazon DynamoDB**

Customers like Disney+, Zoom, and Snap use DynamoDB to handle some of the largest applications on the planet. In this session, learn about key data modeling concepts for DynamoDB and why DynamoDB can help your applications scale seamlessly from 30 to 300 million customers while maintaining consistent, single-digit millisecond performance.

Breakout Session

[View](#)**DAT322****Deep dive into Amazon Neptune**

Learn what's new with Amazon Neptune, the fully managed graph database service that can store, map, and query relationships between datasets for use in applications like identity and fraud detection. In this session, discover the latest enhancements to Neptune, which build upon Neptune's scalability and performance to save organizations money.

Breakout Session

[View](#)**DAT326****Deep dive into Amazon Aurora and its innovations**

Amazon Aurora reimagines what it means to be a relational database. In this session, dive deep into some of the most exciting features Aurora offers, including Aurora Serverless v2 and Global Database. Also learn about the latest performance and availability innovations, which give you the background to solve technical and operational challenges.

DEVOPS/DEVELOPER PRODUCTIVITY

Breakout Session

[View](#)**DOP205****Build it & run it: Streamline your DevOps capabilities with machine learning**

Development teams often run into issues when performing manual code reviews, looking for hard-to-find defects, and uncovering security-related problems. Join this session to learn how to use machine learning-powered tools like Amazon CodeWhisperer and Amazon CodeGuru to boost your applications' availability and write software faster and more reliably.

Breakout Session

[View](#)**DOP315****Sustainability in the cloud with Rust and AWS Graviton**

AWS is focused on efficiency and innovation across its global infrastructure, and that focus highlights how the decisions developers make can have an impact on energy consumption and green initiatives. In this session, learn about the benefits of Rust and AWS Graviton that can reduce energy consumption and increase productivity.

Breakout Session

[View](#)**DOP207****AWS Well-Architected best practices for DevOps on AWS**

In this session, learn about all of the components required to align your DevOps practices to the pillars of the AWS Well-Architected Framework. Review organization adoption, development lifecycle, quality assurance, automated governance, and observability.

Breakout Session

[View](#)**DOP316****Best practices for securing your software delivery lifecycle**

Explore the ways you can secure your CI/CD pipeline on AWS. In this session, learn about the ways to incorporate security checkpoints across various pipeline stages, discuss best practices, processes, and tools that can improve an organization's ability to deliver applications and services in a secure manner.

Breakout Session

[View](#)**DOP301****The Amazon Builders' Library: 25 years of operational excellence at Amazon**

Amazon has practiced DevOps, where builders build but also test and operate almost every aspect of their services, since before it had a name. In this session, hear how Amazon practices have changed and improved over time and what we've learned as builders and as operators.

END USER COMPUTING

Breakout Session

[View](#)**EUC201****Creating the workplace of the future with AWS end user computing**

Remote work options and robust productivity tools are critical for companies to attract and retain skilled workers. Find out how AWS gives organizations a competitive advantage by making secure remote work simpler, streamlining virtual desktop infrastructure (VDI) migrations, and providing a range of application streaming options designed to fit a diverse workforce.

Breakout Session

[View](#)**EUC307****Security best practices for AWS end user computing services**

In this session, learn about ways to enhance data security in Amazon WorkSpaces and Amazon AppStream 2.0 with encryption in transit and at rest, antivirus exclusions, firewalls and routing, trusted devices and locations, controlling data input and output, and monitoring and logging.

Breakout Session

[View](#)**EUC202****What's new with Amazon WorkSpaces, Amazon AppStream 2.0 & WorkSpaces Web**

Learn about what's new with AWS virtual desktop infrastructure (VDI)/desktop-as-a-service (DaaS), application streaming, and secure browser services. Hear about improvements in the videoconferencing and voice-over-IP (VoIP) experience, expansions of VDI solutions for software developers, improvements in VDI migration and manageability, and much more.

Breakout Session

[View](#)**EUC204****Creating remote work environments that optimize security and productivity**

Remote work creates a number of challenges for organizations that need to secure their data on end user devices while improving employee experience. In this session, learn about ways to use virtual desktop infrastructure in the cloud with Amazon WorkSpaces and Amazon AppStream 2.0 to keep your employees happy and productive.

ENTERPRISE AND MIGRATION

Breakout Session

[View](#)**ENT213****How to migrate, modernize, and grow using the AWS MAP**

Faraz Shafiq, AWS Global Head for MAP, shares what makes the MAP so successful—specifically, how it's designed to support businesses not only as they migrate to AWS but also beyond, as they embrace new technologies, modernize digital operations, and look toward the future. Krishna Srinivasan, Director of Cloud Architecture and DevOps at United Airlines, joins Faraz to share how the MAP continues to help one of the world's largest airlines better serve their customers.

Breakout Session

[View](#)**ENT221****Building a smarter organization powered by machine learning**

In this session tailored for business leaders, AWS enterprise strategists discuss how organizations can embrace AI and ML. They also share stories on how some organizations are driving profound societal and business results using AI and ML.

Breakout Session

[View](#)**ENT214****Building and scaling a modernization strategy**

Are you ready to modernize your applications with AWS? In this session, learn about the pillars of modernization, how to define your modernization journey, and how to use modernization pathways to accelerate your roadmap. Explore lessons learned and hear from AWS customer Baker Tilly about how they achieved modernization at scale.

Breakout Session

[View](#)**ENT228****Succeeding in economies of speed: Rethinking your levers**

When leaders look to change their organization, they often begin with restructuring, defining new processes and guidelines, or granting exceptions to innovation units. However, transformation isn't just about doing existing things better; it's foremost about doing things differently. This session highlights why transformation is different from any other project and challenges you to rethink your levers for change.

Breakout Session

[View](#)**ENT217****Learning at the speed of cloud: Turning employees into entrepreneurs**

In this session, find out why learning agility is at the heart of digital transformation and why it can be a powerful measure of your organization's future success. Learn about patterns and approaches that can help you create the time and momentum to reskill your entire organization so you can capitalize on the potential of the cloud.

Breakout Session

[View](#)**ENT324****How Georgia-Pacific is accelerating modernization & improving resilience**

Georgia-Pacific, a Koch Industries company, has embarked on a cloud application modernization and resiliency improvement journey. In this session, learn how Georgia-Pacific used AWS Migration Hub Refactor Spaces to modernize applications, reduce the complexity of iteratively extracting capabilities as new microservices, and reroute traffic from old to new. In addition, hear how they used AWS Resilience Hub as a central place to define, validate, and track the resilience of these applications.

FRONT-END WEB AND MOBILE DEVELOPMENT

Breakout Session

[View](#)**FWM202****Using Amazon Location Service for warehouse selection and recruiting**

In this session, attendees learn how retailers can use Amazon Location Service to select locations for their stores and warehouses and how to use geodemographic data to recruit the talent they need to staff each location.

Breakout Session

[View](#)**FWM315****Create real-time, event-driven apps with Amazon EventBridge & AWS AppSync**

Join this session to learn how event-driven and publish/subscribe (pub/sub) architectures, implemented with Amazon EventBridge and serverless WebSockets from AWS AppSync, help application developers use real-time data to create differentiated digital experiences for their customers.

Breakout Session

[View](#)**FWM308****What's new for frontend web and mobile developers with AWS Amplify**

AWS Amplify helps frontend web and mobile developers build full-stack applications in hours with minimal cloud expertise. In this session, explore the capabilities of Amplify, how you can easily configure a backend with authentication, data, and storage; create a frontend UI with Amplify Studio; and host static and server-side rendered web apps with Amplify Hosting.

Breakout Session

[View](#)**FWM309****Design to code: Build an app frontend UI in minutes with AWS Amplify Studio**

With Amplify Studio, developers can now visually build their apps front to back, from exporting prototypes in Figma to frontend code, to configuring the app backend and connecting them together. Developing full-stack apps on AWS has never been easier, and this session shows you how.

HYBRID SOLUTIONS

Breakout Session

[View](#)**HYB202****Designing & building applications for a distributed edge architecture**

In this session, learn how you can run latency-sensitive portions of applications closer to end users and resources globally with AWS Local Zones, delivering single-digit millisecond latency for use cases such as media and entertainment content creation, real-time gaming, advertising, and machine learning.

Breakout Session

[View](#)**HYB203****Pushing the boundary of the cloud to the edge**

Discover how AWS solutions like AWS Outposts, AWS Local Zones, AWS Wavelength, the AWS Snow Family, and AWS IoT services support hybrid cloud workloads and enable new, highly responsive applications in fields such as virtual reality, connected vehicles, real-time gaming, live video streaming, and smart factories.

Breakout Session

[View](#)**HYB312****AWS Outposts: Bringing the AWS experience on premises**

AWS Outposts is a fully managed service that brings AWS infrastructure and services to your environments in virtually any data center, collocation space, or on-premises facility. In this session, closely examine how an Outpost works, including how we modified the AWS Nitro System to work in any on-premises facility to provide a truly consistent hybrid experience.

INNOVATION AT AWS

Breakout Session

[View](#)**INO102****Amazon's culture of innovation**

In this session, learn about Amazon's peculiar culture and how Amazon innovates through four distinct, yet interdependent, elements: culture, mechanisms, architecture, and organization. Learn more about practical applications, including Leadership Principles, working backwards, two-pizza teams, the PRFAQ doc, and why it's always Day 1 at Amazon and AWS.

Breakout Session

[View](#)**INO103****How to increase resilience and prevent burnout**

With office cultures in flux, people are working more than ever, and many employees are threatened by burnout or already burned out. The good news is that you can do something about it. In this session, learn about the roots of burnout and science-backed techniques to effectively manage stress and prevent burnout.

Breakout Session

[View](#)**INO104****AI/ML at Amazon.com**

This session outlines the approach Amazon.com takes to build and scale ML-enabled innovations across all operational areas and to create new opportunities to delight customers. Learn about specific examples from Amazon's consumer, retail, and other businesses to learn how AI/ML helps Amazon improve customer experience, efficiency, speed, and costs.

Breakout Session

[Coming Soon](#)**INO201****Rapid transition from idea to solution**

How do you build and launch an offering that will surprise and delight your customers? Learn how AWS transitions from a solution, outlined in a future-looking press release that works backward from a customer problem or opportunity, to a developed offering brought to market.

Breakout Session

[View](#)**INO203****Emotional intelligence can supercharge innovation**

Innovation requires more than just IQ and technical skills. Research has found that innovation has more to do with determination, grit, and psychological safety than pure intellect. This session helps you learn to tap into this often-underrated side of your brain and supercharge your focus, creativity, and innovation.

Breakout Session

[View](#)**INO204****Leading beyond line of sight: Amazon's two-pizza teams**

Accelerating innovation in the cloud and inventing ahead of customers' rapidly changing demands is crucial. Join this session to learn how two-pizza teams at Amazon and AWS are structured and led, and discover the mechanisms that can help ensure accountability, speed, communication, governance, and more.

IOT

Breakout Session

[View](#)**IOT203****Accelerate your digital twin journey with AWS**

Learn how companies like INVISTA, Deere, and Roche use AWS IoT TwinMaker to accelerate their digital twin deployments. This session explores how digital twins impact business outcomes and workforce efficiency by breaking down data silos and providing insights needed to solve operational challenges.

Breakout Session

[View](#)**IOT204****How Amazon uses AWS IoT to improve sustainability across its buildings**

In this session, see how Amazon uses AWS IoT services in its physical locations to scale sustainability efforts and remove blockers that impede data-driven decision-making.

Breakout Session

[View](#)**IOT311****Building connected vehicle and mobility platforms with AWS**

By 2030, it's projected that 100 percent of new vehicles sold will ship with connectivity platforms. In this session, learn about the services and solutions that AWS provides to help OEMs, Tier 1 suppliers, fleet telematics solution providers, and automotive ISVs build and deploy systems that securely connect vehicle fleets to the cloud. Learn more about AWS's vision, newest capabilities, and best practices for connected vehicle platforms.

NETWORKING AND CONTENT DELIVERY

Breakout Session

[View](#)**NET204****Application networking foundations**

AWS application networking services help you simplify and improve your application's network architecture, providing both traditional and modern applications with improved security, availability, and performance. In this session, learn about load balancing, service mesh, API gateways, and service discovery tools, and the distinct role they each play in meeting the needs of your applications.

Breakout Session

[View](#)**NET302****Advanced VPC design and new Amazon VPC capabilities**

Amazon VPC gives you more control over your AWS virtual networking environment. Given this ability, have you ever wondered how new Amazon VPC features might affect how you design your AWS networking infrastructure or change your current architecture? In this session, learn about the new design and capabilities of Amazon VPC and how you might use them.

Breakout Session

[View](#)**NET205****Observing and diagnosing your network with AWS**

AWS provides a set of tools that help demystify sources of network congestion, latency, and reduced availability across your applications and the public internet. Join this session to learn about this year's updates in network observability and learn from real-world examples that can help you implement the latest monitoring, troubleshooting, and remediation techniques before your end users are impacted.

Breakout Session

[View](#)**NET312****HBO Max achieves scale and performance with Amazon CloudFront**

In this session, learn about Amazon CloudFront, a content delivery network (CDN) that has been highly optimized for media and entertainment workloads. See how HBO Max delivers massive video-on-demand catalogs and livestreams content to millions of viewers using AWS global infrastructure and CloudFront.

Breakout Session

[View](#)**NET301****Improve performance and availability with AWS Global Accelerator**

Learn how to take advantage of AWS Global Accelerator to improve global availability, performance, and security by moving application traffic onto the AWS global network. Global Accelerator's automatic routing optimizations help keep your packet loss, jitter, and latency consistently low.

OPEN SOURCE

Breakout Session

View

OPN204**Discover Cloudscape, an open-source design system for the cloud**

In this session, learn how this design system simplifies work and ensures consistent, predictable experiences at scale for your customers. Cloudscape is maintained by a central team and backed by an engaged contributing community.

Breakout Session

View

OPN306**AWS Lambda Powertools: Lessons from the road to 10 million downloads**

AWS Lambda Powertools is an open-source library to help organizations discover and incorporate serverless best practices early and quickly. In two years, Powertools went from a tiny pilot program to a fast-growing project. In this session, learn about the current state of Lambda Powertools, how this growth was supported, key lessons learned in the past two years, and what's next on the horizon.

Breakout Session

View

OPN309**Secure and multitenant infrastructure as code with Crossplane and Argo**

In this session, learn about the collaborative effort that yielded a solution for a scalable, secure, and multitenant infrastructure-as-code deployment strategy working at enterprise scale. Hear about the technical complexities, observations, solutions, lessons learned, and best practices uncovered as part of this effort.

PARTNER EXPERIENCE

Breakout Session

[View](#)**PEX201****Building a sustainable practice for tomorrow**

Attend this session to learn how to reimagine your sustainability posture, innovate new lean solutions, and optimize your cloud workloads with a positive impact on the environment.

Breakout Session

[View](#)**PEX203****Simplify the vendor risk assessment process with Vendor Insights**

Learn how AWS Marketplace sellers are using Vendor Insights to showcase their software security and compliance posture to customers so they can simplify the risk assessment and procurement process. Review a complete demo of a vendor's onboarding flow and a buyer's dashboard view of evidence gathered for multiple SaaS products.

Breakout Session

[View](#)**PEX205****Improving your solutions with AWS Partner technical validation**

Learn more about updates to the AWS Competency and AWS Service Delivery Programs, the technical best practices necessary to join, and tips for how to complete the required validations. Walk away with a deeper understanding of how AWS validation programs work and specific guidance on how to improve your software products, consulting practices, and services.

Breakout Session

[View](#)**PEX213****Co-selling integrator solutions with AWS**

Learn more about the various programs, tools, resources, and best practices to help systems integrators accelerate engagement with AWS and further promote service solutions to customers.

Breakout Session

[View](#)**PEX214****Building a successful migration & modernization practice for AWS Partners**

This breakout session is intended for AWS Partners. Driving customer adoption by accelerating AWS Partner-led data migrations is key to the growth of partner migration and modernization practice. This session provides an overview of AWS migration services and programs along with customer use cases and success stories.

Breakout Session

[View](#)**PEX306****Automatically stay in sync with AWS innovations at launch**

Discover how AWS Partners are reducing ongoing development efforts to integrate with the latest AWS capabilities, how shared customers benefit from faster time to market for their applications, and how to implement Cloud Control API integration for use cases across configuration management, cloud security posture management, monitoring and observability, infrastructure as code, cost optimization, and more.

QUANTUM TECHNOLOGIES

Breakout Session

[View](#)

QTC201

How AWS is making quantum technologies a practical reality

In this session designed for everyone from quantum practitioners to the quantum curious, join Dr. Simone Severini, Director of Quantum Technologies at AWS, to understand how AWS is investing in quantum technologies to bring the most capabilities to end users for their applications of the future.

Breakout Session

[View](#)

QTC202

Quantum applications and taking POCs to production

This session showcases customer examples of applying quantum technologies to advance organizational R&D objectives and solve computationally difficult problems using some of the most advanced technologies at AWS.

ROBOTICS

Breakout Session

View

ROB201**Building the industrial kitchen of the future with Miso Robotics**

In this session, learn how Miso Robotics and AWS collaborated on cloud-based testing with simulation, data warehousing and analytics, edge management, and more. Miso Robotics shares how they use AWS tools and technologies to understand, analyze, and improve the performance of Miso's Flippy 2, Flippy Lite, and CookRight robots.

Breakout Session

View

ROB202**How Lockheed Martin uses AWS and Boston Dynamics to deliver tools**

Join this session to learn about how the system uses the Data Lake on AWS solution, Amazon Machine Learning, and AWS IoT Greengrass to provide predictive ordering and direct Spot to run inspection tasks to keep the facility running smoothly.

SAAS

Breakout Session

[View](#)**SAS302****Supporting extensibility in SaaS environments**

Supporting extensibility in multitenant SaaS environments can be challenging. How you prevent noisy neighbor, isolate tenants, and validate and sandbox third-party code are some of the considerations that SaaS developers must address. In this session, consider how a range of patterns and strategies can be used to introduce extensibility without undermining the availability, scale, security, or performance of your SaaS solution.

Breakout Session

[View](#)**SAS405****SaaS microservices deep dive: Simplifying multitenant development**

Multitenancy requires you to introduce new mechanisms to address authorization, data access, tenant isolation, metrics, billing, logging, and a host of other considerations. In this session, dive deep into multitenant microservices, looking at the various patterns and strategies that can be used to bring a multitenant microservice to life without imposing added complexity on your SaaS builders.

Breakout Session

[View](#)**SAS305****SaaS architecture patterns: From concept to implementation**

In this session, take a detailed look at the landscape of these SaaS patterns. For each one, move from concept to implementation, looking at the permutations of architecture and code that are used to bring these patterns to life with different compute, storage, identity, networking, and management constructs.

Breakout Session

[View](#)**SAS306****SaaS migration: Inside a real-world multitenant transformation**

In this session, dig into the end-to-end details of a sample migration, looking at the new code, design, and architecture that you need to migrate your solution. As part of this, consider how your existing application code and services are refactored to support multitenancy. The goal is to dive deep on all the moving parts of a migration through the lens of a real-world example.

SECURITY, IDENTITY, AND COMPLIANCE

Breakout Session

[View](#)**SEC201****Proactive security: Considerations and approaches**

Security is our top priority at AWS. In this session, discover how the partnership between builder experience and security helps everyone ship securely. Hear about the tools, mechanisms, and programs that help AWS builders and security teams. Finally, learn how to apply the same principles at your organization to help you make it easier to ship quickly and securely to delight your customers.

Breakout Session

[View](#)**SEC313****Harness the power of IAM policies & rein in permissions with Access Analyzer**

This session dives deep into IAM policies and explains IAM policy evaluation, policy types and their use cases, and critical access controls. With a walkthrough of the permissions lifecycle, learn about tools that can help you set, verify, and refine permissions to guide you along your least privilege journey. Also, see a demo of IAM access controls and IAM Access Analyzer tools and learn about use cases and best practices.

Breakout Session

[View](#)**SEC210****AWS and privacy engineering: Explore the possibilities**

In this session, learn about the intersection of technology and governance, with an emphasis on solution building. This session covers a series of unique customer challenges and explores how AWS services can be used as building blocks for privacy-enhancing solutions. Learn implementable engineering patterns focused on privacy compliance optimization on AWS.

Breakout Session

[View](#)**SEC329****AWS security services for container threat detection**

To help meet the container security and visibility needs of security and DevOps teams, new container-specific security capabilities have recently been added to Amazon GuardDuty, Amazon Inspector, and Amazon Detective. In this session, learn about these new capabilities and the deployment and operationalization best practices that can help you scale your AWS container workloads.

Breakout Session

[View](#)**SEC212****AWS data protection: Using locks, keys, signatures, and certificates**

In this session, discover how to get this by default and how to build your own locks, keys, signatures, and certificates when needed for your next cloud application. Learn best practices for data protection, data residency, digital sovereignty, and scalable certificate management, and get a peek into future considerations around crypto agility and encryption by default.

Breakout Session

[View](#)**SEC404****A day in the life of a billion requests**

In this session, learn about unique AWS requirements for scale and security that have led to some interesting and innovative solutions to this need. How did solutions evolve as AWS scaled multiple orders of magnitude and spread into many AWS Regions around the globe? Hear about some of the recent enhancements that have been launched to support new AWS features, and walk through some of the mechanisms that help ensure that AWS systems operate with minimal privileges.

SERVERLESS

Breakout Session

[View](#)**SVS204****What's new with serverless**

Join this session to learn what new features in AWS Lambda, Amazon EventBridge, AWS Step Functions, and AWS SAM you might have missed this year. Explore the latest patterns and what has been made possible. Learn practical tips to make use of the latest features designed to help you build better serverless applications.

Breakout Session

[View](#)**SVS303****Building real-world serverless applications with AWS SAM**

From serverless-specific resources to pseudo parameters, learn how to construct highly flexible and reusable AWS SAM templates to manage your serverless applications. Find out how to use AWS SAM CLI to create, develop, and deploy serverless applications. Additionally, learn about the latest AWS SAM CLI features that can help you build deployment pipelines and test your code in the cloud.

Breakout Session

[View](#)**SVS209****Get started building your first serverless application**

In this session Emily Shea, a senior go-to-market specialist at AWS, shares firsthand experience and practical steps for getting started building serverless web applications. This session walks through the process of evolving that solution from an AWS Lambda function into a fully featured application that uses Amazon API Gateway, AWS Lambda, Amazon DynamoDB, Amazon QuickSight, the AWS Amplify Console, and more.

Breakout Session

[View](#)**SVS312****Building Serverlesspresso: Creating event-driven architectures**

This session explores the design decisions made in building this application, how new features influenced the development process, and lessons learned in creating a production-ready application using this approach. Explore useful patterns and options for extensibility that helped the team design a robust, scalable solution that costs about 1 dollar a day to operate..

Breakout Session

[View](#)**SVS302****Architecting secure serverless applications**

This session explores how to think about security from the front to the back of a typical serverless application. How do you configure AWS serverless services to provide least-privileged access while helping to ensure functionality? How should you think about managing IAM policies for your AWS Lambda functions? This session covers all of this and more, leaving you with concrete examples applicable to almost any workload.

STARTUP

Breakout Session

[View](#)**STP201****Success secrets for mergers and acquisitions**

This session discusses both sides of the M&A transaction to help you prepare for what comes next. As the target company, learn how your technology portfolio and architecture impact your valuation and how to achieve rapid separation with a turnkey handover of systems. As the acquirer, explore value acceleration by eliminating undifferentiated work and fostering rapid innovation in the combined company.

Breakout Session

[View](#)**STP205****A journey to increased developer productivity**

In this session, the Drift DevOps team talks about how their DevOps transformation increased developer productivity and confidence, allowing them to increase their messaging traffic 50 times and their engineering team 5 times, while keeping their DevOps team lean.

Breakout Session

[View](#)**STP202****Startups at scale: What to expect when building an engineering team**

As you scale your engineering team, it's essential to use cloud services and tools just like you do for the rest of your development teams. In this session, discover hiring strategies that promote high growth and best practices for building a disparate team with changing expectations and demands.

Breakout Session

[View](#)**STP210****AWS optimization: Actionable steps for immediate results**

In this session, get familiar with the different technical strategies, levers to pull, and commitment-based savings plans AWS offers. After this session, you will have an actionable plan with a combination of tactical and strategic initiatives that can help you reduce overall spend and increase your runway.

Breakout Session

[View](#)**STP204****Managing the relationship between engineering and product teams**

To achieve optimal business outcomes, engineering and product leaders need to collaborate successfully. With the evolution of the cloud, CPO and CTO roles have evolved. In this session, learn how to navigate the relationship between engineering and product teams in this new world to become stronger and more successful partners.

Breakout Session

[View](#)**STP306****Evolving your security capabilities through key growth stages**

This session provides recommended security best practices you can use as your startup progresses through the phases of scaling up in your initial market to scaling out to additional markets and beyond. After this session, you'll be able to assess where your startup is along the growth spectrum and if there are security capabilities you can implement to help you stay secure while growing quickly.

Keynotes & Leadership sessions





Keynotes

The most important cloud announcements of the year happen at re:Invent.

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

[Watch now](#)

Leadership sessions

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

Watch now



AI/ML

Bratin Saha

Vice President, AWS Machine Learning and AI Services



DIVERSITY, EQUITY & INCLUSION

Candi Castleberry

Vice President, Global Diversity, Equity, and Inclusion (DEI), Amazon



AWS STORAGE

Mai-Lan Tomsen Bukovec

Vice President, Object Storage, Monitoring and Observability, Messaging and Streaming Services



AWS PUBLIC SECTOR

Max Peterson

Vice President, AWS Worldwide Public Sector

Select new services

We've selected a set of services announced at re:Invent 2022 that are particularly relevant to financial institutions.



Cloud Operations In Preview

Comprehensive Controls Management with AWS Control Tower

OVERVIEW

Comprehensive controls management is a set of new features that enhances AWS Control Tower's governance capabilities. You can reduce the time it takes to define, map, and manage the controls required to meet your most common control objectives such as enforcing least privilege, restricting network access, and enforcing data encryption.

[What's New](#) [Blog](#) [2022 re:Invent Session \(featuring DTCC & PIMCO\)](#)

FINANCIAL SERVICES USE CASES

- **Accelerate service adoption** – Programmatically implement controls at scale across your multi-account AWS environments within minutes, so you can more quickly vet, allow-list, and begin using AWS services.
- **Service allow-listing** – Control Tower will orchestrate multiple AWS services (Orgs, Identity Center, Config, Security Hub) to provide opinionated combinations of preventative and detective controls mapped to AWS services, control objectives, and compliance frameworks.

AI/ML Generally Available

Analyze Lending by Amazon Textract

OVERVIEW

Automatically extract, classify, and validate information in mortgage-related documents to drive business efficiency, reduce costs, and scale quickly.

Customers simply upload their mortgage loan documents to the Analyze Lending API and its pre-trained machine learning models will automatically classify and split by document type, and extract critical fields of information from a mortgage loan packet.

[Website](#) [Developer Guide](#) [Resources](#)

FINANCIAL SERVICES USE CASES

- **Lending analysis** – Classify and extract information from loan documents in real-time to help customers submit missing documents for loan approval.
- **Accelerated underwriting** – Speed up the underwriting decision process by automatically validating lender financial records and documents.
- **Digital lending** – Offer loans digitally in a fast and compliant manner while obtaining data from customers with a high degree of accuracy.

[AI/ML](#) [In Preview](#)

Geospatial ML with Amazon SageMaker

OVERVIEW

Amazon SageMaker now accelerates and simplifies generating geospatial ML predictions by enabling customers to enrich their datasets, train geospatial models, and visualize the results in hours instead of months.

With just a few clicks or using an API, customers can use Amazon SageMaker to access a range of geospatial data sources from AWS (e.g., Amazon Location Service), open-source datasets (e.g., Amazon Open Data), or their own proprietary data including from third-party providers (like Planet Labs).

[Website](#) [Blog](#) [Resources](#)

FINANCIAL SERVICES USE CASES

- **Inform trading strategies** – Monitor financial assets globally, forecast market commodity prices, enhance your hedging or trading strategies, and mitigate the impact of price volatility.
- **Assess risk and insurance claims** – Measure risk, validate claims and prevent fraud, analyze damage impact from natural disasters on local economies, and track construction projects.

[Analytics](#)[In Preview](#)

AWS Clean Rooms

OVERVIEW

AWS Clean Rooms helps customers and their partners to more easily and securely match, analyze, and collaborate on their combined datasets—without sharing or revealing underlying data.

With AWS Clean Rooms, customers can create a secure data clean room in minutes, and collaborate with any other company on the AWS Cloud to generate unique insights about advertising campaigns, investment decisions, and research and development.

[Website](#) [FAQs](#) [Ask an Expert](#)

FINANCIAL SERVICES USE CASES

- **Private equity/Mergers & Acquisitions** – Safely share sensitive data as part of pre-transaction due diligence.
- **Industry collaboration** – Train ML models on datasets across multiple companies to generate greater insights about customers or for investment decisions, for example.
- **Internal data sharing** – Securely analyze sensitive datasets across divisions of your organization to enable greater collaboration, learning, and business efficiency.

[Analytics](#)[In Preview](#)

Amazon DataZone

OVERVIEW

Amazon DataZone is a new data management service that makes it faster and easier for customers to catalog, discover, share, and govern data stored across AWS, on-premises, and third-party sources.

Administrators and data stewards who oversee an organization's data assets can manage and govern access to data using fine-grained controls to ensure it is accessed with the right level of privileges and in the right context.

[Website](#)[Preview](#)

FINANCIAL SERVICES USE CASES

- **Build a data mesh**– Financial Services organizations can simplify data mesh deployments by enabling the integration of technical data catalogs with the business catalog to get a 360-degree view of all your trusted business data regardless of where it is stored.
- **Enable self-service datasets** – Data consumers can locate and get access to datasets they need for advanced analytics and machine learning.
- **Audit dataset use** – More efficiently provide regulators information on access controls and audit logs for a variety of datasets, including customer information, PII, and sensitive financial data.

[Analytics](#)[In Preview](#)

Amazon OpenSearch Serverless

OVERVIEW

Simplify the process of running petabyte-scale search and analytics workloads without having to configure, manage, or scale OpenSearch clusters. OpenSearch Serverless automatically provisions and scales the underlying resources to deliver fast data ingestion and query responses for even the most demanding and unpredictable workloads. With OpenSearch Serverless, you pay only for the resources consumed.

[Website](#) [What's New Blog](#)

FINANCIAL SERVICES USE CASES

- **Risk management** – Collect, store, and analyze financial transactions to determine risk.
- **Regulatory reporting** – Collect, store, and create transaction reports for internal and external auditors and regulatory bodies.
- **Application monitoring** – Collect, store, analyze, visualize, and alert systems and application metrics.

[Analytics](#)[In Preview](#)

AWS Glue Data Quality

OVERVIEW

AWS Glue Data Quality is a new capability that automatically measures and monitors data lake and data pipeline quality. AWS Glue is a serverless, scalable data integration service that makes it more efficient to discover, prepare, move, and integrate data from multiple sources.

[What's New Blog](#) [2022 re:Invent Session \(featuring Travelers\)](#)

FINANCIAL SERVICES USE CASES

- **Efficient data analysis** – Prevent “bad” data from entering data lakes and data warehouses and gain better insights from your data by automatically measuring and monitoring data lake and data pipeline quality.

[Business Applications](#)[Generally Available](#)

New Capabilities for Amazon Connect

OVERVIEW

Amazon Connect is an easy to use omnichannel cloud contact center that helps you provide superior customer service at a lower cost.

Over 10 years ago, Amazon's retail business needed a contact center that would give our customers personal, dynamic, and natural experiences. We couldn't find one that met our needs, so we built it.

[Website](#) [What's New Blog](#) [2022 re:Invent Session](#)

FINANCIAL SERVICES USE CASES

- **Conversational analytics** – Financial Services organizations can better understand customer sentiment in both [agent and chatbot conversations](#), redact sensitive customer information, and monitor agent compliance with company guidelines to help improve agent performance and customer experience.
- **Forecasting, capacity planning, and scheduling** – Provides new ML-powered capabilities for contact centers. Enable your contact center managers to forecast contact demand, determine optimal staffing levels, and ensure the right agents are available at the right time to meet your operational and business goals.

Compute Generally Available

Amazon EC2 C6iz Instances

OVERVIEW

Amazon EC2 C6in instances are powered by 3rd Generation Intel Xeon Scalable processors with an all-core turbo frequency of up to 3.5 GHz. They are the first x86-based Amazon EC2 compute-optimized instances offering up to 200 Gbps network bandwidth. C6in instances deliver up to 2x more network bandwidth, and 2x higher packet performance than comparable C5n instances.

[Website](#) [Get Started](#)

FINANCIAL SERVICES USE CASES

- **General purpose compute** – More efficient and better price/performance than previous generation instances (C5/M5/R5).
- **Network intensive apps** – Network appliances such as network and application firewalls, DDOS protection, and load balancers.
- **Databases and data processing** – Improved DB caching and query times, big data applications, caching servers, and in-memory databases.

Compute In Preview

Amazon EC2 C7g Instances

OVERVIEW

Amazon EC2 C7g instances provide the best price performance in Amazon EC2 for compute-intensive workloads. C7g instances are ideal for high performance computing (HPC), batch processing, electronic design automation (EDA), gaming, video encoding, scientific modeling, distributed analytics, CPU-based ML inference, and ad serving.

[Website](#) [Preview](#)

FINANCIAL SERVICES USE CASES

- **High performance computing (HPC)** – For customers who have ported their risk calculations to the Arm architecture, C7gn instances provide 25% better performance over C6g instances.
- **Network appliances** – The most demanding network-intensive workloads, such as network and application firewalls, DDOS protection, load balancers, and virtual routers.
- **Analytics** – Data processing intensive workloads, such as Spark.

Compute In Preview

Amazon EC2 R7iz Instances

OVERVIEW

Amazon EC2 R7iz instances are the first EC2 instances powered by 4th generation Intel Xeon Scalable processors (code named Sapphire Rapids) with an all core turbo frequency up to 3.9 GHz. These instances have the highest performance per vCPU among x86-based EC2 instances, and they deliver up to 20% higher performance than z1d instances.

[Website](#) [Preview](#) [2022 re:Invent Session \(featuring Nasdaq\)](#)

FINANCIAL SERVICES USE CASES

- **Database systems** – Get better performance across database workloads and better price/performance for databases with per-core licensing.
- **Trading systems** – Higher single-threaded and multi-threaded performance and lower latency for trading applications.
- **Financial and actuarial modeling** – Faster data caching and processing for big data workloads and in-memory datastores.

Compute In Preview

Amazon EC2 Inf2 Instances

OVERVIEW

Amazon EC2 Inf2 instances which are designed to deliver high performance at the lowest cost in Amazon EC2 for the most demanding deep learning (DL) inference applications. Inf2 instances are powered by up to 12 AWS Inferentia2, the third AWS-designed DL accelerator. Inf2 instances offer 3x higher compute performance, up to 4x higher throughput, and up to 10x lower latency compared to Inf1 instances.

[Website](#) [Preview](#)

FINANCIAL SERVICES USE CASES

- **Fraud detection** – Predict suspicious transactions and other anomalous behavior faster so that customers can be alerted quickly.
- **Custom language models** – Process and generate insights from natural language sources to quickly act on information from news, customer interactions, and regulatory filings.
- **Claims processing** – Use ML/DL models to process images, text, and other data to determine the cost of adjudicating claims.

Security, Identity, & Compliance In Preview

Amazon Security Lake

OVERVIEW

Amazon Security Lake automatically centralizes security data from cloud, on-premises, and custom sources into a purpose-built data lake stored in your account. Security Lake makes it easier to analyze security data so that you can get a more complete understanding of your security across the entire organization.

Security Lake has adopted the Open Cybersecurity Schema Framework (OCSF), an open standard. It helps normalize and combine security data from AWS and a broad range of enterprise security data sources. Now, your analysts and engineers can get broad visibility to investigate and respond to security events and improve your security across the cloud and on premises.

[Website](#) [User Guide](#) [Get Started](#)

FINANCIAL SERVICES USE CASES

- **Rapid incident response** – Financial institutions can build a centralized petabyte-scale data lake to support swift security investigations.
- **Enterprise-wide visibility** – Prepare insights on the state of security with automatic aggregation. Security Lake automates this process and facilitates solutions performing streaming analytics detections, time-series analytics, user and entity behavior analytics (UEBA), security orchestration and remediation (SOAR), and incident response.

Security, Identity, & Compliance

Generally Available

AWS Wickr

OVERVIEW

AWS Wickr is an end-to-end encrypted, enterprise communications service that offers advanced security features and facilitates one-to-one chats, group messaging, calling, file sharing, screen sharing, and more.

With AWS Wickr, organizations can collaborate more safely than with consumer-grade messaging applications. Advanced security and administrative controls help organizations meet data retention requirements and build custom solutions for data security challenges.

[Website](#) [Documentation](#) [Request a Demo](#)

FINANCIAL SERVICES USE CASES

- **Communication retention** – Regulators require Financial Services organizations to store communications between internal parties.
- **Highly sensitive communications** – AWS Wickr provides an additional level of security for privileged communications.

Security, Identity, & Compliance

Generally Available

Data Protection in Amazon CloudWatch Logs

OVERVIEW

Amazon CloudWatch Logs enables you to centralize the logs from all of your systems, applications, and AWS services, in a single, highly scalable service. With log data protection in Amazon CloudWatch Logs, you can now detect and protect sensitive log data-in-transit logged by your systems, and applications.

[What's New](#) [Blog](#) [Developer Guide](#)

FINANCIAL SERVICES USE CASES

- **Define and apply data protection policies** – Log data protection can help with regulations such as the Health Insurance Portability and Accountability Act (HIPAA), General Data Privacy Regulation (GDPR), Payment Card Industry Data Security Standard (PCI-DSS), and Federal Risk and Authorization Management Program (FedRAMP).

Security, Identity, & Compliance

Generally Available

Automated Sensitive Data Discovery with Amazon Macie

OVERVIEW

With this new capability, Amazon Macie automatically and intelligently samples and analyzes objects across your S3 buckets, inspecting them for sensitive data such as personally identifiable information (PII), financial data, and AWS credentials. Macie then builds and continuously maintains an interactive data map of where your sensitive data in S3 resides across all accounts and Regions where you've enabled Macie, and provides a sensitivity score for each bucket.

[What's New](#) [User Guide](#) [Free Trial](#)

FINANCIAL SERVICES USE CASES

- **Discover sensitive data for compliance** – Schedule data analysis to certify that sensitive data, such as PII and financial data, is discovered and protected.
- **Protect sensitive data during migration** – During data ingestion, determine if sensitive data has been appropriately protected.
- Increase visibility for business-critical data –Automatically and continually monitor all your sensitive data stored in S3 buckets.

Connect with us

Get in touch with an AWS Financial Services expert



Contact the Team

AWS Financial Services executive and regional business development leaders

If you'd like to arrange a meeting with **AWS subject matter experts**, please reach out to your account teams to coordinate. You can click on the photos to access team member LinkedIn profiles.



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Jim Fanning
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Director of Sales, EMEA, Global Financial Services



Ed Pozarycki
Director, Solutions Architect Leader, Global Financial Services



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Director, Customer Solutions Manager Leader, Global Financial Services



Melissa Dougherty
Director, Partner Success, Global Financial Services

Contact the Team

AWS Financial Services market segment and strategic program leaders

If you'd like to arrange a meeting with **AWS subject matter experts**, please reach out to your account teams to coordinate. You can click on the photos to access team member LinkedIn profiles.



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Head of Worldwide Financial Services
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Tony Jacob
Head of Worldwide Financial Services
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Lynne Zeldenryk
Head of Worldwide Financial Services
Catalysts



Jeff (Axe) Axelrad
Head of Financial Services Compliance



Adam Honore
Head of Financial Services Service
Development

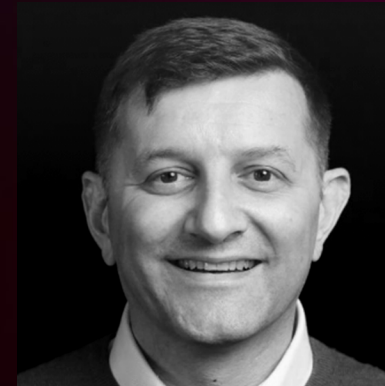
Contact the Team

AWS Financial Services partner leaders

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Charlie Sanderson
Worldwide Leader, Financial Services ISVs



Andrew McLauchlan
Head of Partner Success, Global Financial Services



Dilhani Palehepitiya
Partner Success Leader, Global Financial Services



Dan Kasun
Senior Manager, Partner Success, Global Financial Services

Special thanks to Nasdaq's band, **NLX**, for playing at the 2022 Financial Services Reception



Financial Services Reception, Zouk Nightclub, 11.28.2022

See you next year!



Financial Services Industry Lounge
Caesars Forum



Thank you



Any feedback/suggestions?

Please email us at reinventsalesupdates@amazon.com

