



Event

# State, Local, and Education Learning Days

## Florida State Conference Center

555 W. Pensacola Street | Tallahassee, Florida 32306

November 6-7, 2023

*Agenda could be subject to change*

## Day 1: November 6, 2023

Time	Room	Session Description
8:15 AM – 8:45 AM	Lobby	<b>Registration and breakfast</b>
8:45 AM – 9:30 AM	208	<b>Keynote and fireside chat</b>
8:30 AM - 4:30 PM	Atrium	<b>Collaboration Space:</b> activities include Ask an expert; AWS partners and collaborators; co-working space; complimentary refreshments and wifi; and more.

### Day 1: Technical Track

9:40 AM - 4:00 PM	208	<b>AWS Cloud Practitioner Essentials (level 100)</b> This course is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific role. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. This course also helps you prepare for the AWS Certified Cloud Practitioner exam.  Who should attend: This track is intended for technical staff with some knowledge of AWS.  Breaks and lunch will be provided.
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### Day 1: Executive Track

9:40 AM – 10:20 AM	214	<b>Powering public sector innovation using the AWS Cloud</b> Public sector continues to explore innovative methods to improve citizen service delivery and solve institutional problems. This educational session explores the increasing role cloud is playing in public sector technology plans, emerging trends, and best practices for expediting your cloud journey using the AWS cloud.
10:20 AM – 10:30 AM		Break
10:30 AM – 11:15 AM	214	<b>Building trust in your cyber eco-system</b> This session will cover security and compliance considerations when optimizing your environment. In doing so, customers can ensure they build a more ransomware resistant environment that allows for integration with your current security architecture. Learn some of the growing trends and how security considerations like zero trust can be enabled.
11:15 AM – 11:25 AM		Break
11:25 AM - 12:10 PM	214	<b>Planning, procuring, and financing digital transformation</b> This session will discuss how procurement can partner with their finance and IT counterparts to support the transition to cloud technologies. The partnership starts during the planning and budgeting phase and continues through the procurement process and into managing the full lifecycle of implementation and optimization. The session will include insights from prior government and education leaders now working in the industry, as well as current public sector leaders that have leveraged this partnership for the benefit of their organization.
12:10 PM – 1:00 PM	108	Lunch

1:00 PM – 1:45 PM	214	<b>How generative AI/ML can increase government and higher institution efficiencies</b> This session covers how to unleash the power of artificial intelligence (AI) to optimize internal processes and simplify constituent user experience.
1:45 PM – 1:55 PM		Break
1:55 PM – 2:55 PM	214	<b>Enabling researchers and accelerating research</b> A discussion session centered on sharing how AWS can complement and enhance an institution's current research capabilities and enable researchers for the challenges of the future, today. Accomplish this with a full suite of compute capabilities offering flexibility and scalability matching the breadth and depth of a researcher's imagination. Institutions can provision research environments that provide piece of mind with consistent and appropriate levels of observability, security, and compliance. From instrument workflows and high-performance computing to advanced collaboration and data sharing to on-demand research workstations, AWS can help transform the research organization.
2:55 PM – 3:00 PM	214	<b>Closing remarks</b>

## Day 2: November 7, 2023

Time	Room	Session Description
8:30 AM – 9:00 AM	Lobby	<b>Registration and breakfast</b>
8:30 AM – 4:30 PM	Atrium	<b>Collaboration Space:</b> activities include Ask an expert; AWS partners and collaborators; co-working space; complimentary refreshments and wifi; and more

### Day 2: Artificial intelligence (AI) and machine learning (ML) track

#### Concurrent sessions

9:00 AM – 9:50 AM	208	<b>Breakout: AI/ML learning for your organization (level 100)</b> Join this session to learn how AI and ML fits into your organizational goals. Learn how these managed services and tools bring value to your mission faster, at lower cost, and without requiring your own data science team. This session explains the more frequently used AI/ML services, example use cases, and examples from other organizations who have successfully leveraged these services.
9:50 AM – 10:00 AM		Break
10:00 AM – 10:50 AM	208	<b>Chalk talk: Generative AI for public sector (level 100)</b> A common public sector customer challenge is understanding the purposes and relevancy of generative AI and foundational models, as well as the implications of applying generative AI technology to public sector settings and use cases. In this session, you will learn about common public sector use cases where generative AI can be applied.
10:50 AM – 11:00 AM		Break
11:00 AM – 12:30 PM	208	<b>Workshop: Intelligent document processing with co-host and AWS Partner, Accenture. (level 200)</b> Documents are a critical part of many government and higher education organizations. Within the massive volume of documents lies strategic data and insights. In this session, learn how your organization can process and analyze documents at scale with AWS ML. Minimize manual intervention and scope for human error with ML and reduce costs by automating manual, complex, and expensive document processing approach.
12:40 PM – 1:30 PM	108	Lunch
1:40 PM – 2:30 PM	208	<b>Breakout: Building AI- and ML-powered applications without ML expertise (level 100)</b> Developing data science and data engineering skills to create and maintain ML models can be time-consuming. In this session, get an introduction to AWS services which enable you to easily integrate AI/ML into your products and applications without having to write any code.
2:30 PM – 2:40 PM		Break
2:40 PM – 4:30 PM	208	<b>Workshop: Build a bot (level 300)</b> Using ML to improve engagement with your constituents doesn't have to be data science. In this workshop, you will configure a question and answer bot to reply to common inquiries from your end

users. Come prepared with your own laptop and a willingness to engage in a hands-on exercise in this session.

## Day 2: Application modernization and security track

### Concurrent sessions

9:00 AM – 9:50 AM	214	<b>Breakout: Application modernization: Monolith to microservices with containers (level 200)</b> Large organizations have a tremendous amount of resources invested in existing monolith application. In this session, learn how to modernize the monolith; transforming your application to microservices architectures on AWS using APIs, containers, and serverless.
9:50 AM – 10:00 AM		Break
10:00 AM – 10:50 AM	214	<b>Chalk talk: Security design (level 200)</b> Cloud security at AWS is the highest priority. Security in the cloud is much like security in your on-premises data centers—only without the costs of maintaining facilities and hardware. In this chalk talk learn how to apply AWS well-architected security best practices to your applications, scale your security operations, and innovate while maintaining a secure environment.
10:50 AM – 11:00 AM		Break
11:00 AM – 12:30 PM	214	<b>Workshop: One observability (level 200)</b> Join us for a hands-on exploration of the variety of tools for monitoring and observability of your applications. Whether your workload is on-prem or on AWS, monolithic or based on a modern architecture -- our observability tools can help you get deeper insights into your application performance, health, cost, business value and user experience among others. Come prepared with your own laptop and a willingness to learn in order to participate in this session.
12:40 PM – 1:30 PM	108	Lunch
1:40 PM – 2:30 PM	214	<b>Chalk talk: Serverless architectures - Why is everyone moving to serverless? (level 100)</b> By using serverless architectures, your organization can benefit from value such as reduced operational and maintenance overhead, reduced costs, improved scalability, and an improved security footprint. Learn how leveraging serverless architectures can help you achieve better outcomes.
2:30 PM – 2:40 PM		Break
2:40 PM – 4:30 PM	214	<b>Workshop: Zero Trust (level 300)</b> This workshop demonstrates a Zero Trust architecture for service to service workloads. We will discuss the principles of Zero Trust and how AWS enables you to implement them in the most appropriate way for your workloads. This includes how a good Zero Trust architecture is not a single product, service, or architecture, but instead the application of principles and tenets to strengthen your designs. When complete, you will have had hands-on experience implementing combined network and identity controls to help eliminate lateral network mobility risk and improve the overall security posture of your workload.

## Day 2: Data and analytics track

### Concurrent sessions

9:00 AM – 9:50 AM	103	<b>Breakout: Democratizing your organization's data analytics experience (level 100)</b> In this session, learn how AWS can democratize analytics with ease of use and better price performance, making it easier for analysts and data scientists of all skill levels to use ML.
9:50 AM – 10:00 AM		Break
10:00 AM – 10:50 AM	103	<b>Chalk talk: Building a modern data strategy (level 200)</b> Data is growing exponentially and coming in more diverse formats than ever before. This makes it challenging to extract value. A modern data strategy can help you manage, act on, and react to your data so you can make better decisions, respond faster, and uncover new opportunities. In this session you will learn about the AWS Modern Data Strategy. How to modernize your data infrastructure, how to unify data by breaking down silos, and how to leverage ML to reduce the burden of manual processing and analytics.
10:50 AM – 11:00 AM		Break
11:00 AM – 12:30 PM	103	<b>Workshop: AWS data lake and visualization workshop (level 300)</b> Build your own visualization dashboard in minutes using Amazon QuickSight. With Amazon QuickSight, all

users can meet varying analytic needs from the same source of truth through modern interactive dashboards, paginated reports, embedded analytics, and natural language queries.

12:40 PM – 1:30 PM

108

Lunch

1:40 PM – 2:30 PM

103

**Breakout: AI and ML for data and analytics** with co-host and AWS Partner, [Global Technology Solutions Inc.](#) (level 200)

Organizations view analytics, AI, and ML as a continuum. This continuum enables them to make data-driven decisions across all levels of their enterprise and guides them in defining their customer experience. Within each of these organizations, there are multiple use cases, data types, users, and applications that require different tools. In this session, learn about the services, tools and techniques of employing AI and ML to provide an end-to-end data analytics strategy for the public sector.

2:30 PM – 2:40 PM

Break

2:40 PM – 4:30 PM

103

**Workshop: AWS database migration** (level 300)

Migrating databases can be a complex, multi-step process that involves pre-migration assessments, conversion of database schema and code, data migration, functional testing, performance tuning, and many other steps. The two fundamental steps in this process that require the most effort are the conversion of the schema and database code objects, and the migration of the data itself. In this session, learn about the tools AWS provides that help with each step.

**Special thanks to our co-hosts!**

