PartnerEquip: Live – London

Exclusive technical event for Specialized Partners

October 7-9, 2025
London, United Kingdom

Intelligent Operations for Critical Workloads

The Intelligent Operations for Critical Workloads track is a comprehensive enablement experience designed for technical experts in charge of operating critical workloads, or workloads sensitive to downtime. This three-day interactive journey brings together professionals from Cloud Operations, Resilience Competency, and Service Delivery programs, providing them with hands-on experience in building and managing resilient cloud environments. Participants engage in practical labs, dynamic Q&A sessions, and valuable networking opportunities with AWS experts, focusing on crucial areas such as Cloud Governance, Observability, Compliance & Audit, and Cloud Financial Management tools.

This track targets experienced cloud professionals, including Cloud Infrastructure Engineers, CloudOps Practice Leads, and Site Reliability Engineers, combining traditional operational excellence with cutting-edge intelligent solutions. Through practical approaches and hands-on training, participants learn to leverage intelligent tooling for enhanced operational benefits. This comprehensive approach ensures that technical experts are well-equipped to implement critical workloads while maintaining operational excellence in cloud environments.

Agenda

Tuesday, Oct 7:

Time (EDT)	Level (1-400)	Section Title	Abstract/Description
8:00 am	**Breakfast**		
9:00 am	**Welcome**		
9:15 am	**100**	**Keynote - Intelligent Operations for Critical Workloads**	Join this keynote to discover how AWS and partners are transforming critical workload management through intelligent operations. Learn key trends in cloud governance and resilience strategies that establish the right foundation for mission-critical applications. Discover innovations that provide meaningful operational benefits at scale, enabling more successful cloud journeys for your most demanding workloads.
9:45 am	**300**	**Building Secure and Resilient Multi-Account Environments**	This comprehensive overview explores strategies for building secure multi-account AWS environments using AWS Control Tower and Landing Zone Accelerator (LZA). It demonstrates how to implement automated platform customizations for networking, security, identity, and compliance while leveraging LZA's 250+ pre-configured security controls. The discussion includes best practices for controls, policies, and permission boundaries, along with compliance mapping to NIST and ISO frameworks.
10:30 am	**Break**		
10:45 am	**300**	**Automate Audit Evidence Collection and Deliver It to GRC Teams**	Learn how to streamline audit processes by automating evidence collection and secure delivery to GRC teams. Leverage technology to systematically gather, organize, and provide comprehensive, up-to-date audit data. Reduce manual effort, minimize errors, and enable GRC teams to focus on higher-value tasks, ultimately enhancing compliance and audit effectiveness.
11:30 am	**300**	**Operational Resilience in Action: Leveraging D-CAT to Navigate DORA Requirements**	The Digital Operational Resilience Act (DORA) is transforming how financial entities in the EU approach ICT risk and resilience. Yet, many institutions struggle to translate regulatory requirements into actionable strategies. In this session, we introduce the DORA Compliance Recommendation Tool (D-CAT), a purpose-built solution designed to help organizations identify readiness gaps and align their digital operations with DORA's key pillars. Attendees will learn how D-CAT maps regulatory articles to specific controls and AWS services, enabling a structured approach to resilience, risk management, and third-party oversight. Join us to discover how to accelerate your DORA compliance journey and drive operational resilience with clarity and confidence.
12:00 pm	**Lunch**		
1:00 pm	**300**	**Meeting Your RPO and RTO Goals Using AWS Resilience Hub**	AWS Resilience Hub is a service that provides you with a single place to define, validate, and track the resilience of your applications so that you can avoid unnecessary downtime caused by software, infrastructure, or operational disruptions. The resilience of an application refers to its ability to maintain availability and recover from software and operational disruption within a specified target measured in terms of Recovery Time Objective (RTO) and Recovery Point Objective (RPO).
1:45 pm	**300**	**Empowering critical infrastructure entities through cloud governance**	Critical infrastructure entities face unprecedented challenges in protecting vital systems and meeting stringent compliance obligations worldwide. In this session, learn how effective cloud governance empowers organizations to meet security and compliance needs while accelerating innovation using AWS services and best practices. Through architectural discussions, you'll discover proven strategies for multi-account governance and automated compliance. Featured is a real-world success story from Moeve, showcasing how AWS Control Tower enabled them to deliver efficient and secure environments for their operations.
2:30 pm	**300**	**Optimize Your AWS Costs: A Strategic Approach to Savings and Pitfall Avoidance**	Use only what you need and pay less for what you use with your very own cloud cost optimization strategy. Join this session to learn how to leverage a combination of cloud-native tools, pricing models, and strategic purchasing options to maximize your savings. We'll cover best practices for utilizing the AWS Free Tier, as well as explore options like Savings Plans, Reserved Instances, and flexible compute resources. Discover how to optimize the costs of making your workloads more resilient by understanding how to tailor your cloud purchases to your actual usage patterns, you can achieve significant cost reductions without sacrificing performance, reliability or scalability.
3:00 pm	**Break**		
3:15 pm	**300**	**Control Cost of Your Generative AI Services**	A unified view of billing and usage data allows you to establish cost accountability and identify cost insights for your customers. AWS provides tools to build a single pane view of customers cost and usage, customize cost reporting, configure and export data for deeper analysis. Join this session and learn how you can help customers better manage and report the AWS spend to align with their business outcomes and needs.
3:45 pm	**300**	**Designing Generative AI Workloads for Operations and Resilience**	This session explores architectural strategies for building robust generative AI systems that maintain operational excellence while ensuring business continuity. The presentation covers critical considerations for business impact analysis, resilience trade-offs, and operation best practices. Attendees will learn practical approaches to maintain AI system availability during disruptions while optimizing for cost efficiency and performance.
4:45 pm	**End of Day Survey**		
5:00 – 6:00 pm	**Welcome Reception (On-Site - Badge Required)**		

Agenda

Wednesday, Oct 8:

Time (EDT)	Level (1-400)	Section Title	Abstract/Description
8:00 am	**Breakfast**		
9:00 am	**Welcome**		
9:15 am	**200**	**Observability Roadmap and What's New With Amazon Cloudwatch & Cloudtrail**	Discover the latest advancements in the AWS observability product roadmap, including CloudWatch, CloudTrail, X-Ray, Amazon OpenSearch, Managed Grafana, and the AWS Distro for OpenTelemetry. Gain valuable insights into the evolving observability landscape and learn how to effectively leverage AWS services and partnerships to drive customer success. Engage in an open discussion with industry leaders to uncover upcoming collaboration opportunities and strategies for addressing observability needs.
10:00 am	**300**	**Observability for Resilience**	This presentation provides a comprehensive guide to implementing effective observability practices for building resilient cloud systems. It explores the three fundamental pillars - metrics, logs, and traces - while offering practical strategies for monitoring, early problem detection, and continuous improvement. The session demonstrates how to effectively instrument systems, handle high-cardinality data, and leverage advanced tools like CloudWatch Contributor Insights. Key focus areas include accurate availability measurement, dependency monitoring, and deployment safety, with special attention given to overcoming common monitoring challenges in distributed systems.
10:30 am	**Break**		
10:45 am	**300**	**Implementing Application Performance Monitoring for Critical Workloads**	Application performance monitoring (APM) empowers organizations to proactively identify and resolve performance issues and provide optimal user experiences. In this session, learn how Amazon CloudWatch provides complete visibility, including visibility into end-user experiences and into databases across traditional Amazon EC2 instances, containers, and serverless compute. Discover how to achieve strong correlation and flexibility to query the system state at any given time, enabling faster time to remediation. Explore how effective APM uses all observability signals efficiently, allowing you to swiftly detect issues and maintain maximum application uptime.
11:30 am	**300**	**Investigate Operational Issues Faster With AI**	Troubleshooting operational issues can be challenging, especially when you're trying to focus on innovating. In this session, discover how to enhance your operational efficiency and extract valuable intelligence from your observability data by harnessing new and existing Amazon Q Developer, Amazon DevOps Guru, Amazon CloudWatch and AWS Systems Manager features to recapture your time. Learn how Amazon Q acts as another member of your operational team, analyzing your AWS configuration and observability data and presenting hypotheses about the cause of impact. Once you've diagnosed root cause, Amazon Q provides tailored suggestions for remediation using an AWS library of curated runbooks so you can quickly remediate the issue.
12:00 pm	**Lunch**		
1:00 pm	**300**	**Intelligent Operations Workshop**	This hands-on workshop explores how operations teams can leverage intelligent automation and AI-assisted tools to improve operational efficiency.
3:00 pm	**Break**		
3:15 pm	**300**	**Detecting and Mitigating Gray Failures**	This session explores gray failures, their impact on system reliability, and introduces differential observability, an advanced approach to enhance detection. By leveraging sophisticated monitoring techniques and analytical tools, differential observability identifies gray failures amidst normal operations. We will discuss practical strategies for detecting and mitigating these failures, integrating advanced monitoring systems, and implementing recovery patterns to minimize downtime and maintain system integrity. Join us to deepen your understanding of resilience, apply differential observability, and discover robust recovery practices for reliable distributed systems.
3:45 pm	**300**	**Leveraging Cloudwatch Alarm Tags for Reduced MTTR**	Tagging is a powerful way to manage the resources in cloud environments. This session will demonstrate how CloudWatch alarm tags can be strategically utilized to enhance cross account observability, ultimately reducing the mean time to resolution (MTTR) for incidents. We'll explore an integrated solution involving Step Functions, SNS and SQS to achieve this goal. Furthermore, we'll discuss the crucial role of Operations within the broader context of organization's operating model. You'll gain insights into how this tagging-based solution fits into and supports the overall operational framework.
4:45 pm	**End of Day Survey**		
5:30–10:00 pm	**Networking Event (Off Site - Badge Required)**		

Agenda

Thursday, Oct 9:

Time (EDT)	Level (1-400)	Section Title	Abstract/Description
8:00 am	**Breakfast**		
9:00 am	**Welcome**		
9:15 am	**300**	**Ask the Experts**	This "Ask the Experts" session allows attendees to get their questions answered by AWS experts on cloud operations and resilience topics. Bring your toughest questions on observability, incident management, cost optimization, governance, security, disaster recovery, and more - the experts will provide practical advice to help enhance your cloud environments.
10:00 am	**300**	**Enhancing Operational Intelligence with business-aligned insights**	Organizations often struggle to effectively categorize, search, and analyze their AWS CloudTrail events in alignment with their business context. This session explores how CloudTrail's event enrichment feature addresses this challenge by allowing you to add resource tag keys and IAM global condition keys to your event data stores. Learn how this feature enables better operational visibility, cost allocation, and security analysis by incorporating valuable metadata about resources and authorization conditions into your CloudTrail events.
10:30 am	**Break**		
10:45 am	**300**	**Scaling IT With the Next Generation Operational Management Tools**	Running resources and applications at scale is continuously evolving as technology grows. This breakout session explores how operational insights have inspired key AWS Systems Manager capabilities designed to apply best practices, benefiting both AWS and its customers in managing millions of compute instances per week. Explore how AWS Systems Manager has been reimagined to provide customers with an easier-to-use, integrated experience for managing compute devices anywhere, powered by AI-driven automation for operations at scale. Discover the latest capabilities that help codify operational best practices.
11:30 am	**300**	**All Things Patch: Manage Patching on AWS, on Premises & on Other Clouds**	In this session, we will demonstrate how you can quickly enable patching operations at scale across your AWS accounts and Regions within your AWS Organization, on-premises, and other clouds using AWS Systems Manager. You can enable patching operations for Amazon Elastic Compute Cloud (EC2) instances, edge devices, on premises servers, and virtual machines (VMs) in other cloud environments. Additionally, we will demonstrate how you can enable patch compliance reporting and create patch compliance dashboards using Amazon Athena and Amazon QuickSight.
12:00 pm	**Lunch**		
1:00 pm	**300**	**Amazon Application Recovery Controller: Enhancing Resilience**	Ensuring rapid and reliable application recovery during a disaster is crucial for maintaining business continuity. Amazon Application Recovery Controller (ARC) helps you prepare for and complete faster recovery for applications running on the AWS Global Cloud Infrastructure. Join us on this session to learn more about implementing multi-az and multi-region highly available solutions using ARC.
2:30 pm	**300**	**Best Practices for Generative AI Observability**	As generative AI adoption grows, comprehensive observability is crucial for ensuring reliability, transparency, and optimization. In this session, learn about the observability challenges of different generative AI patterns, including large language models, Retrieval Augmented Generation (RAG) architectures, and other emerging approaches. Discover how to use Amazon CloudWatch with a wide range of metrics, logs, and distributed tracing to gain visibility into the lifecycle of generative AI workloads. Additionally, explore the role of LangChain, a powerful framework for building generative AI applications, and how it can be leveraged in conjunction with Amazon Bedrock and Amazon SageMaker to enhance observability across the development and deployment pipeline.
3:00 pm	**Break**		
3:15 pm	**300**	**Centralize Multicloud Management Using AWS**	Operating in a multicloud environment may introduce operational complexity. In this session, learn to streamline operations with AWS Systems Manager, which is designed to allow easier instance management across all environments. Also, gain insights into performance with Amazon CloudWatch and Amazon Managed Grafana, which deliver a unified dashboard of metrics and logs from virtually any data source. With these services, you can simplify day-to-day tasks, maintain control, and optimize resources—whether your workloads span across AWS, on premises, or multiple clouds. Centralize multicloud management so you can focus on what really matters—running your business.
3:45 pm	**300**	**Chaos Engineering**	In this session, we will explore best practices for conducting fault experimentations, also known as chaos engineering. Chaos engineering involves intentionally introducing failures into cloud environments to uncover weaknesses and improve system robustness. Participants will learn how to design and execute controlled experiments that simulate real-world disruptions, analyze the impact on cloud service performance, and develop strategies to mitigate potential issues. We will cover key principles such as starting with small-scale experiments, automating testing processes, and continuously refining experiments based on observed outcomes. Join us to learn the art of chaos engineering and empower your cloud operations teams to build more resilient and reliable workloads.
4:45 pm	**End of Day Survey**		