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The Best of AWS Re: Invent

Satya KG

A circular portrait of Nick Reddin, a man with a goatee and short dark hair, wearing a dark suit jacket, white shirt, and patterned tie. The portrait is set against a dark brown background and is positioned on the left side of the slide, partially overlapping a red vertical bar.

Host

Nick Reddin

Vice President, ATC

- Has over 25 years of experience in the employment and technology services industry
- Works with Fortune 500 companies in achieving their workflow and technology goals
- Specializes in technology innovation, sales, change management and driving operational efficiencies

Presenter

Satya KG

Solution Lead, Cloud, ATC

- Has over 15 years of experience in Software Engineering and Cloud Infrastructure
- Specializes in Amazon Web Services and Google Cloud and 3-time AWS re:Invent attendee
- Consulting experience with startups and mid/large enterprise

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About ATC

Using a fully customized mix of **onsite consulting, offshore resources, enterprise-grade tools and frameworks**, and **highly-talented staff placements**, ATC helps organizations bridge key knowledge, technology, and process gaps to help you accelerate growth.

We solve problems at every stage of your product development lifecycle, enabling you to focus on your core business while we manage the details of transforming your business and delivering **success**.



Annual
Cloud Computing
Conference

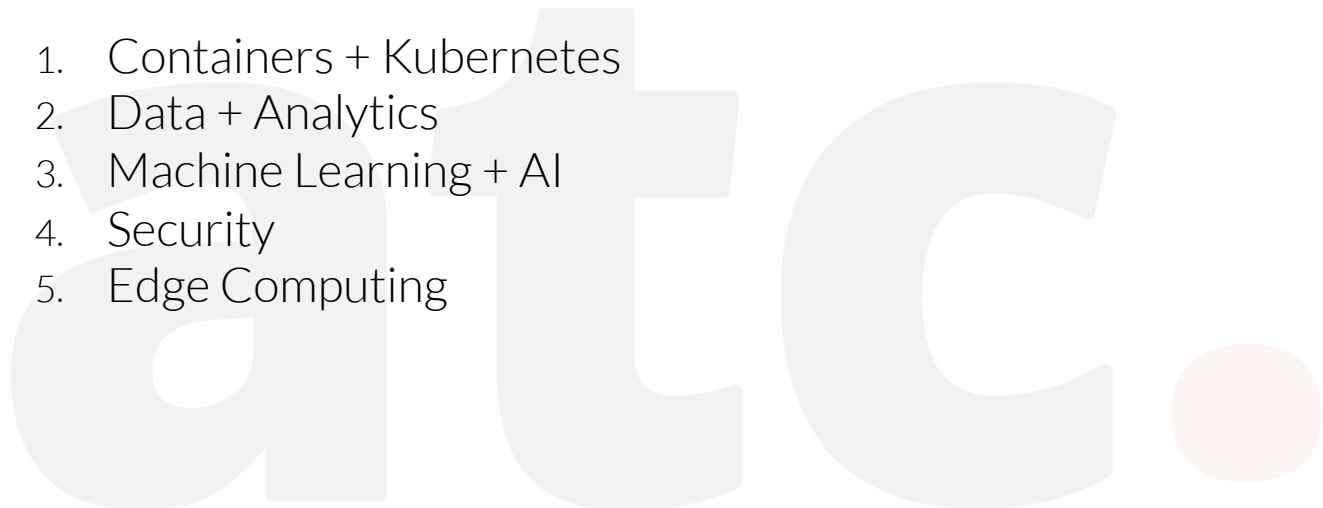
70,000
Attendees
2019

175+ Services
Widest Offering
Among Cloud
Providers

Agenda

The Best of AWS Re:Invent 2019

1. Containers + Kubernetes
2. Data + Analytics
3. Machine Learning + AI
4. Security
5. Edge Computing



Containers + Kubernetes

- Amazon Elastic Kubernetes Service (EKS) on AWS Fargate (now GA)
- ECS Cluster Auto Scaling
- ECS Capacity Providers

Containers + Kubernetes

Amazon Elastic Kubernetes Service (EKS) on AWS Fargate (now GA)

Amazon Elastic Kubernetes Service to run Kubernetes pods on AWS Fargate. EKS and Fargate make it straightforward to run Kubernetes-based applications on AWS by removing the need to provision and manage infrastructure for pods.

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Containers + Kubernetes

ECS Cluster Auto Scaling

Amazon ECS cluster auto scaling enables you to have more control over how you scale tasks within a cluster.

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Containers + Kubernetes

ECS Capacity Providers

Capacity Providers are a new way to manage compute capacity for containers, that allow the application to define its requirements for how it uses the capacity.

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Data + Analytics

- Redshift Federated Query
- Ultrawarm for Elastic Search Service
- EMR now available in DC with Outposts

Data + Analytics

Redshift Federated Query

Redshift Federated Query feature allows you to query and analyze data across operational databases, data warehouses, and data lakes.

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Data + Analytics

Ultrawarm for Elastic Search Service

UltraWarm is a performance-optimized warm storage tier.

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Data + Analytics

EMR now available in DC with Outposts

quickly and easily create managed EMR clusters on-premises using the same AWS Management Console, APIs, and CLI for EMR. EMR clusters launched in an Outpost will appear in the AWS console just like any other cluster, but will be running in your Outpost.

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Machine Learning + AI

- Amazon SageMaker (Notebooks, Experiments, Debugger, Model Monitor, Autopilot)
- AWS CodeGuru
- Amazon Kendra

Machine Learning + AI

Amazon SageMaker Studio

SageMaker has a number of new features - Notebooks, Experiments, Debugger, Model Monitor, Autopilot)

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Machine Learning + AI

AWS CodeGuru

managed service that helps developers proactively improve code quality and application performance through AI-driven recommendations.

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Machine Learning + AI

Amazon Kendra

managed service that brings intelligent, contextual search to applications.

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Security

- Amazon Detective
- Amazon Nitro Enclaves
- IAM Access Analyzer for S3 Access Points

Security

Amazon Detective

Investigate potential security issues faster.

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Security

Amazon Nitro Enclaves

processes highly sensitive data by partitioning compute and memory resources within an instance to create an isolated compute environment.

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Security

IAM Access Analyzer for S3 Access Points

identifies resources that grant access to an external principal that isn't within your zone of trust.

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Edge Computing

- AWS OutPost
- AWS Local Zones
- AWS Wavelength

Edge Computing

AWS OutPost

hardware appliances that customers can rent from Amazon to run within their data center.

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Edge Computing

AWS Local Zones

AWS Local Zones make cloud hyper-local by bringing compute, storage, and network services closer to users within a city or a metro.

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Edge Computing

AWS Wavelength

AWS Wavelength Zones are AWS infrastructure deployments that embed AWS compute and storage services within telecommunications providers' data centers at the edge of the 5G network.

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Questions





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