



Contribution ID: 36

Type: **not specified**

Scientific Computing on Amazon Web Services

Wednesday, August 31, 2016 1:00 PM (5 hours)

A survey will be send around to all participants shortly before the GridKa School to asked for a specific sub-topic to cover. The following topics are available:

 Introduction to AWS (Basics for all services) Compute: Amazon Elastic Compute (EC2) EC2 Container Services Lambda - Run Code in Response to Events Storage Scalable Storage in the Cloud (S3) CloudFront Glacier Elastic File System Database RDS (Managed Relational Database service) DynamoDB (Managed NoSQL database services) Redshift (Fast Simple Cost-Effective Data) Management Tools CloudWatch (Monitor Resources) CloudFormation (Create and manage Resources) CloudTrail (track user activities) Config (Track resource inventory) OpsWorks (Automatic operations) Service Catalog (Create and use Standardized services) Security Identity Identity and Access Management Certificate Manager Analytics Elastic Map Reduce (EMR) Data Pipeline (Data driven workflows) Elastic search searvice Kinesis (Work with streaming data) Machine learning Internet of Things - Connect Devices to the cloud Mobile Services Device Farm : Test Android, iOS and Web Apps Mobile analytics (Collect, View and Export App Analytics) SNS Simple notification service Application services API Gateway (Build deploy and manage gateways) AppStream (low latency app streaming) SQS (Message Queue Service) SWF (Workflow Service for Coordinating Application components)

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