

Introduction to AWS



Compute and AI/ML

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Agenda

- Introduction to AWS
- Compute, Storage and Security
- Amazon Comprehend
- Amazon Transcribe
- Amazon Translate
- Other AI/ML services
- Use cases



Introduction to AWS

- Most Functionality
- Secure
- Innovation
- Regions & Availability Zones (R-19,AZ-69,Edge-215)
- Gov Cloud



Compute, Storage and Security

- Compute

- Elastic Compute Cloud
- Elastic Container Service
- Lambda
- Bean stalk

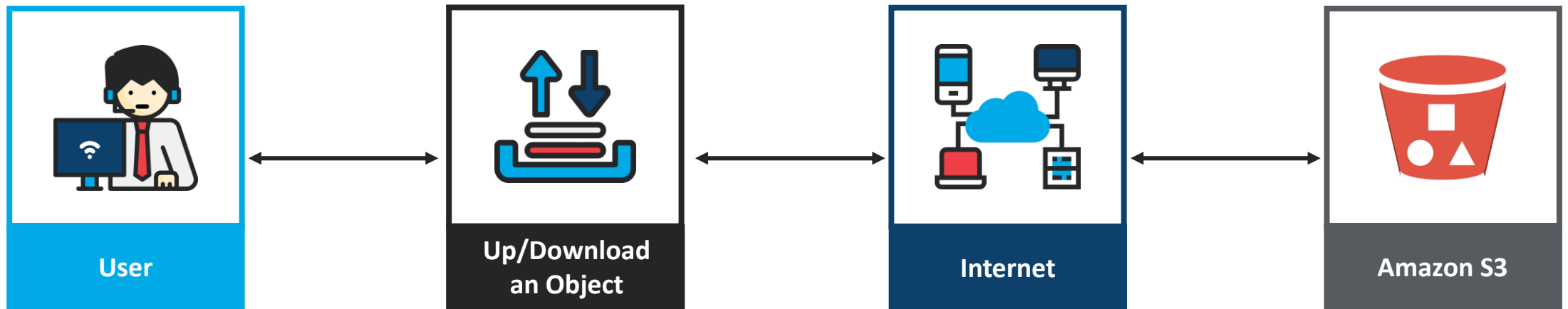
- Security

- Identity and Access Management
- Web Application Firewall
- Guard Duty
- Shield

- Storage

- Simple Storage Service
- Elastic File system
- Relational Database Service

User flow for S3





Amazon Comprehend

- Insights to your data using NLP
- Insights classifications
 - Entities
 - Key Phrases
 - Language
 - Sentiment
 - Syntax
- Custom classification
- Comprehend Medical



Amazon Transcribe

- Works based on neural networks
- Speaker Identification
- Streaming Audio
- Custom Vocabularies
- Vocabulary Filtering
- Numbers and Special character
- Separate Audio channels
- Transcribe Medical



Amazon Translate

- Real time translation
- Single document processing
- Batch processing
- Security
- Custom Terminology with csv file
- Metrics
 - System & User errors
 - Character count
 - Average response time
 - Successful request



Other AI/ML services

- Amazon Polly
- Amazon Textract
- Amazon Rekognition
- Amazon Code Guru
- Sage Maker



Use cases

- Speaking native language in other countries with transcribe, translate and polly
- Call center sentiment analysis with Comprehend
- Identifying famous personalities in videos
- Analyzing unauthorized activities by streaming CC camera video to Kinesis

Sentiment analysis and audio to text conversion



Comprehend and Transcribe

Thank you

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