



Additional AWS Services

CHAPTER 14



Media Content Delivery Services

EPISODE 14.01

Elastic Transcoder

- Media Services

- Media transcoding
 - Jobs
 - Do the transcoding
 - Pipelines
 - Queues to manage jobs
 - Presets
 - Settings to convert media
 - Notifications
 - SNS used to notify of job status
- Transcoded files placed in original bucket

- Machine Learning
- Amazon Translate

Translate

- Can integrate into applications for localization
- On-demand language translation
- Encoder
 - Reads source text
- Decoder
 - Outputs translated text

Translate Supported Languages

Arabic	Chinese (Simplified)	Chinese (Traditional)	Czech
English	French	German	Italian
Japanese	Portuguese	Russian	Spanish
Turkish			

Elemental MediaStore

- Media Services
- Called MediaStore

- Video origination and storage service
 - Containers
 - Folders
 - Endpoint
 - Object
 - Policy

Video Considerations

- Media Services
- Called MediaStore

- Live video streams
 - Elemental MediaStore
 - Origination endpoint
- Storage-based video
 - S3 buckets

Transcribe

- Machine Learning

- Speech-to-text
 - Audio
 - Video
 - Generates closed caption files
- Based on machine learning
- Integrates with Translate

Rekognition

- Machine Learning
 - Driven by machine learning created for Amazon.com
- Image and video analysis
 - People
 - Speech
 - Objects
 - Can be run against S3 buckets
 - Enhanced search based on analysis results

Desktop & App Streaming

EPISODE 14.02

WorkSpaces

- Desktop & App Streaming

- Virtual desktops in AWS
 - Linux
 - Windows 7
 - Optional Office bundle
 - Windows 10
- Persistent storage
 - Virtual D: drive
- Based on Windows Server virtualizations

AppStream 2.0

- Desktop & App Streaming

- Virtual applications in AWS
- Commonly used for custom-developed apps
- Also used for commercial apps

ElastiCache

EPISODE 14.03

ElastiCache

- In-memory caching for databases
 - Memcached
 - Simplest model for implementation
 - Redis
 - HIPAA or PCI-DSS compliant

DEMO

- ElastiCache management interface

Security Services Lab

EPISODE 14.04

DEMO

- Key Management Services (KMS)
- Show IAM interface and explain concepts

DEMO

- Show AWS Management Console Interface and explain concepts
 - Cloud HSM
 - Directory Services

Demo

- Security AMIs

Analytics Engines

EPISODE 14.04

DEMO

- Tour services in the AWS Management Console
 - CloudSearch
 - Elasticsearch Service
 - Data Pipeline
 - AWS Glue
 - QuickSight
 - Athena

Development Operations (DevOps)

EPISODE 14.05

Demo

- Browse DevOps section and explain each component

- CHAPTER 14
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- EPISODE 14.01
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- EPISODE 14.03
- Security Features

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